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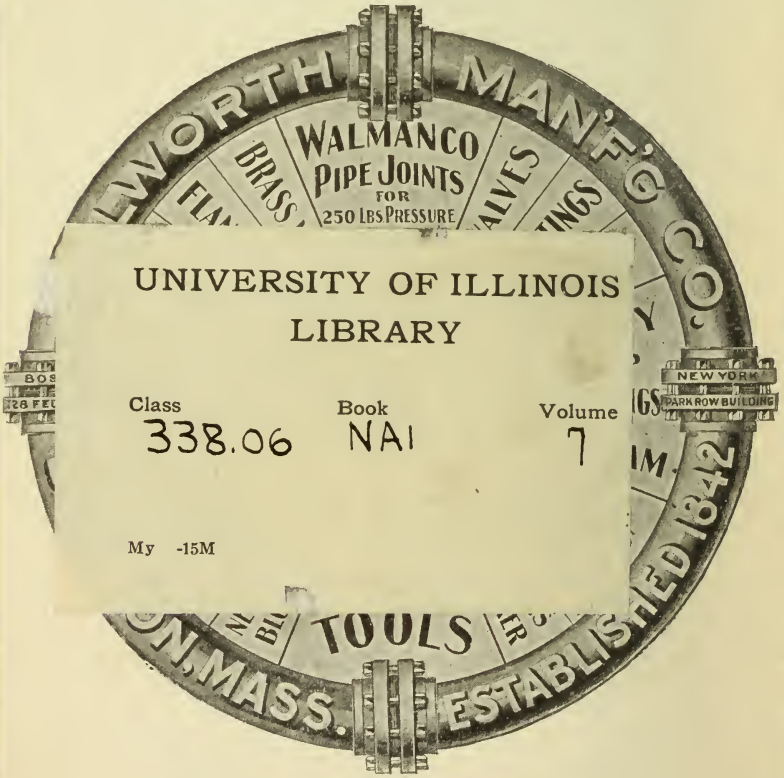
David Fisher

AMERICAN TRADE INDEX 1905

National Association of Manufacturers
UNITED STATES OF AMERICA

WALWORTH MANUFACTURING CO.'S
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Water Work and Hose Goods	242 to 276
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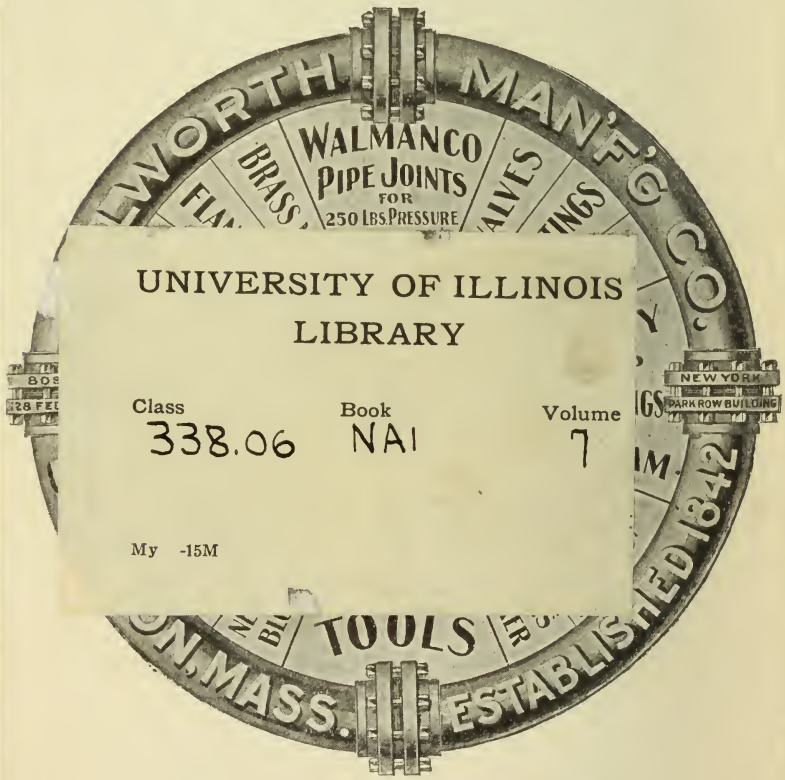
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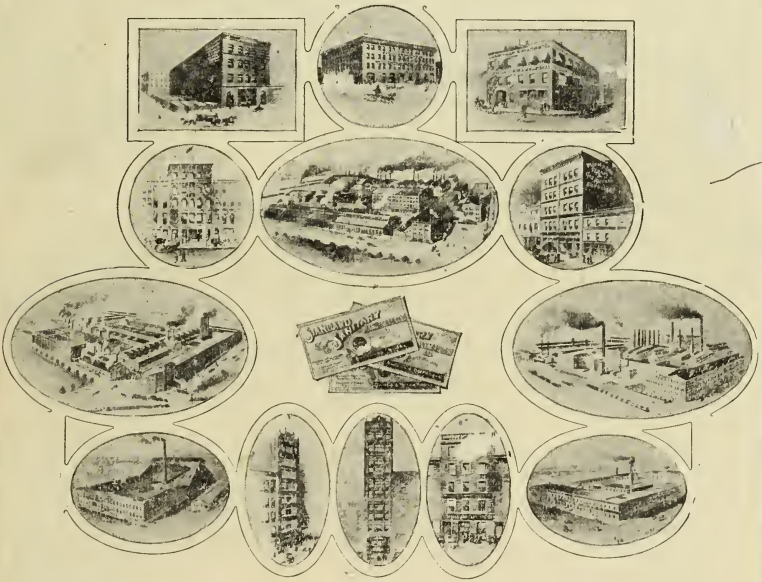
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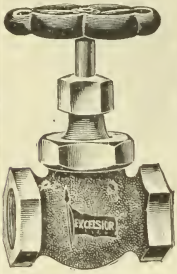
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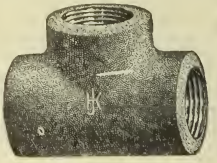
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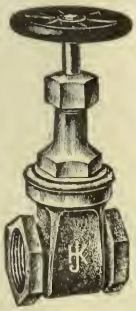
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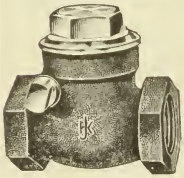
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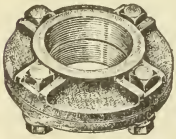
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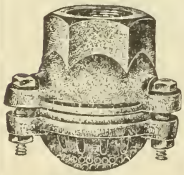


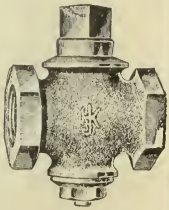


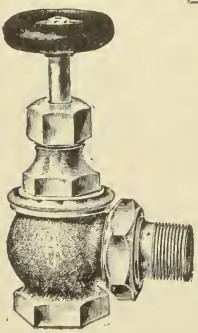


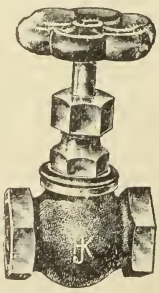


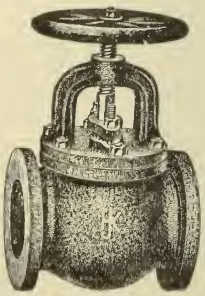


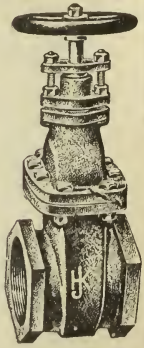












AMERICAN

TRADE INDEX

Descriptive and Classified Membership Directory of the National Association of Manufacturers of the United States of America Arranged for the Convenience of Buyers

SEVENTH ANNUAL ISSUE

(Domestic Edition)

NATIONAL ASSOCIATION OF MANUFACTURERS

NEW YORK CITY

1905

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Introduction to Domestic Edition

The National Association of Manufacturers is now in the eleventh year of its existence, and the present edition of the AMERICAN TRADE INDEX is the seventh which it has issued and presented to its members. With this issue of the book a slight change has been made, two editions being printed, one for presentation to leading business people in all foreign countries, and the other for the special use of members of the Association and large American buyers generally.

The foreign edition has been prepared on the same plan as the editions of 1902, 1903 and 1904—that is, with an introduction and indices in the Spanish, German and French languages as well as in English, so as to make the book equally helpful to those who understand any one of the four chief commercial languages of the world.

In the foreign edition are inserted specially prepared sheets for the merchant abroad to send to the Association when any special information may be desired, at the same time introducing himself, describing his business and giving the references which all reputable houses abroad are prepared to give when called upon. In the domestic edition this extra matter has been omitted as not being necessary, thereby making the book more convenient for handy reference.

The first edition of the book was one of 5,000 copies; in 1904 12,000 copies were printed, and the present edition numbers 13,000 copies. Every year the book is more and more frequently referred to both at home and abroad and is becoming more generally recognized as a standard reference work for the best class of American manufacturers in all lines of industry. It is the desire of the Association that it shall be used more and more for reference purposes by members, in order that the co-operative idea which has made the Association's work so efficient in various ways shall also, other things being equal, promote the individual manufacturing and commercial interests of each member. For this reason the displayed announcements in the back part of the volume should not be overlooked, as so much more detailed information regarding the products of manufacturers mentioned therein are given than can be printed in the ordinary paragraphs in the alphabetical section of the work.

The book is issued annually, because there is a constant increase in the membership of the Association; and developments in manufacturing enterprise among members also necessitate a new edition yearly, in order to keep buyers abroad and at home fully abreast of the progress made by the manufacturing industries so completely represented by the Association.

NATIONAL ASSOCIATION OF MANUFACTURERS

NEW YORK CITY

112774

OFFICERS

of the

National Association of Manufacturers

of the

United States of America

PRESIDENT

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(Watson-Stillman Company)

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(General Offices, 170 Broadway)

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(Citico Furnace Company)

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(Farrand Organ Company)

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(Fay-Sholes Company)

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(Stewart Hartshorn Company)

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(American Blower Company)

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(Jeffrey Manufacturing Company)

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(Dayton Manufacturing Company)

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(W. T. Garratt & Co.)

LUDWIG NISSEN, New York City.
(Ludwig Nissen & Co.)

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(United States Glass Company)

H. S. SMITH, Menasha, Wis.
(Menasha Woodenware Company)

D. A. TOMPKINS, Charlotte, N. C.
(D. A. Tompkins Company)

J. W. VAN CLEAVE, St. Louis, Mo.
(Buck's Stove and Range Company)

AMERICAN TRADE INDEX

Part I

Alphabetical List of Members

of the

National Association of Manufacturers

Aberfoyle Manufacturing Company, Chester, Pa. Selling agents: Galey & Lord, 57-59 Worth street, New York. Novelty wash fabrics, madras and cheviot shirtings.

C. H. Aborn Company, Lynn, Mass. Ladies' boots and oxfords, welted and McKay sewed. Cable address, "Aborn," Lynn.

The Abrasive Material Company, Seventy-first and Upland streets, Philadelphia, Pa. Chicago office, 54 West Randolph street. Emery and corundum wheels, rubstones, etc. Foreign agents: Tasker's Engineering Co., Sheffield; Jas. T. Donald & Co., Glasgow; Spliethoff, Beeuwkes & Co., Rotterdam; E. Sonnenthal, Jr., Berlin; Ignacz Székely, Budapest; Wilh. Sonnesson & Co., Malmö and Copenhagen; J. Barre Johnston & Co., Sydney; O. S. Swinnock, Auckland; David Costaguta & Co., Buenos Aires. Cable address, "Abrasive," Philadelphia. Codes, Lieber's and Western Union.

Acme Brewing Company, Macon, Ga. Brewers of lager beer.

The Acme Foundry Company, Sweeney and Sawtell streets, Cleveland, Ohio. Light gray iron castings.

Acme Kitchen Furniture Company, Chattanooga, Tenn. Plant No. 1: Mantel beds, dressers, commodes, combination cases, wardrobes. Plant No. 2: Kitchen cabinets, kitchen safes, cupboards and tables; biscuit beaters.

The Acme Machinery Company, St. Clair and Belden streets, Cleveland, Ohio. Bolt and nut machinery, bolt and rivet heading, upsetting and forging machines, bolt cutters and nut tappers. Foreign agents: Schuchardt & Schütte, Berlin, Cologne, Vienna, Brussels, Stockholm and St. Petersburg; C. W. Burton, Griffiths & Co., London; Henry W. Peabody & Co., Melbourne. Cable address, "Acme," Cleveland. Codes, A B C and Lieber's.

Acme Steel and Malleable Iron Works, 245 Military road, Buffalo, N. Y. Malleable iron castings, small and medium steel castings, brass and metal patterns. Cable address, "Acme," Buffalo. Code, Western Union.

Acme White Lead and Color Works, St. Aubin avenue and M. C. R. R., Detroit, Mich. Paints, enamels, colors, varnishes, white lead, zinc white in oil and varnish, dry colors, colors in oil, japan (quick drying) and distemper; coach, carriage and automobile colors; paints for all purposes in liquid, semi-paste and paste; enamels, varnishes, japans and dryers; wood fillers, paste and liquid; iron fillers; oil, water, varnish and dry stains; railway paints, enamels and varnishes; marine paints, enamels and varnishes; dipping paints, enamels and varnishes for manufacturing trade (dipping apparatus supplied). Cable address, "Acmeworks," Detroit. Code, Western Union.

The Acushnet Mill Corporation, New Bedford, Mass. Manufacturers of bleached and brown cotton goods.

The S. Jarvis Adams Company, Etna and Fourteenth streets, Pittsburg, Pa. Axle boxes, pipe balls, brake shoes and miscellaneous gray iron castings.

Adams & Elting Company, 155 Washington street, Chicago, Ill. New York office, 93 Cliff street. "Adelite," enamels, wood fillers, paint and varnish remover, mixed paints, white lead; oil, water, dry and varnish stains; one coat finishes, furniture polish, lacquers; machinery, floor and mineral paints; floor wax, coach colors and oil colors, "Waxelite." Jobbers in brushes, lythite and cold water paints. Foreign agents: Lamb Brothers, Ltd., Sydney and Wellington; L. S. Rogers, Yarmouth, Nova Scotia. Cable address, "Adelite," Chicago.

Adams & Raymond, Massachusetts avenue and East Tenth street, Indianapolis, Ind. Thin cut lumber and veneer: maple, oak (plain and quartered), walnut, poplar, gum and all native woods. Cable address, "Adray," Indianapolis. Code, Western Union.

The Adams & Westlake Company, 110 Ontario street, Chicago, Ill. Eastern factory, Philadelphia, Pa. Eastern offices, Philadelphia and 26 Cortlandt street, New York. Railway lanterns, signal lamps, headlights, metal car trimmings, brass and iron beds; cameras. Cable address, "Adlake," Chicago. Codes, A B C Fifth edition and Lieber's.

L. Adler, Bros. & Co., 92-94 St. Paul street, Rochester, N. Y. Men's clothing; suits and overcoats. Jobbers of woolens for tailors.

David Adler & Sons Clothing Company, East Water and Huron streets, Milwaukee, Wis. Youths' and men's clothing.

Adriance, Platt & Co., Poughkeepsie, N. Y. New York office, 165 Greenwich street. Farm machinery: mowers, geared and chain drive; reapers; grain binders, rear discharge and elevating; corn binders; hay rakes; harrows, spring and peg tooth; mower parts for clipper mowers, and Triumph mowers, reapers and binders. Foreign branches in Hamburg and Paris. Cable address, "Adriance," Poughkeepsie and New York. Codes, Lieber's, A B C, Western Union, Atlantic Directory and private.

John B. Adt, 332-342 North Holliday street, Baltimore, Md. Tobacco machinery; brewers' machinery (pasteurizing devices), butchers' machinery (fat cutting devices); freight elevators. Cable address, "Adt," Baltimore. Codes, Atlantic Directory, Western Union and A 1.

The Advance Bag Company, Middletown, Ohio. Paper bags of all kinds, including S. O. S. or Automatics.

The Advance Machinery Company, 19-23 South Huron street, Toledo, Ohio. Glue pots; The Wetmore patent glue heater; copper appliances for glue rooms; single and double spindle shapers, combination shapers and carvers, dovetail machines, band saws. Foreign agents: Mathus

Wylie, Glasgow; James B. Stone & Co., London, E. C.; Grove Chemical Co., Ltd., Appley Bridge, Wigan, England. Cable address, "Wetag," Toledo, Ohio. Code, Western Union.

Advance Thresher Company, Battle Creek, Mich. Threshing machinery; portable and traction engines; threshers and stackers; horse powers; corn huskers and shredders. Foreign agents: John & Jos. Drysdale, Buenos Aires. Cable address, "Advance," Battle Creek.

The Aetna Nut Company, Southington, Conn. Merchant iron, nuts and washers.

The Aetna Powder Company, 143 Dearborn street, Chicago, Ill. Explosives: dynamite, blasting powder and electric blasting supplies.

The Ajax Metal Company, Frankford avenue and Richmond street, Philadelphia, Pa. Plastic bronze, babbitt metal and composition castings. Foreign agents: George W. Wollaston, 26 Victoria street, London. Cable address, "Ajax." Code, A B C.

The Akron Belting Company, Akron, Ohio. Leather belting, belt cement and oil filters. Cable address, "Akronbelt," Akron. Code, Western Union.

The Akron Machine Company, Akron, Ohio. Mower knives, mower and sickle sections, heads, guards, guard plates, rivets, spring cotters, spring keys, pitman boxes, thresher teeth. Jobbers of a full line of agricultural implements. Cable address, "Akronchine," Akron. Codes, A B C and private.

Alabama Steel and Wire Company, Gadsden, Ala. Works at Birmingham, Ala. Pig iron, basic steel, wire rods, barb wire and wire nails. Foreign agent: Edward Le Bas, 18 Billiter street, London. Cable address, "Schuler," Birmingham. Codes, Lieber's and A B C Fourth edition.

The Alaska Refrigerator Company, Muskegon, Mich. Refrigerators.

The Albany Card and Paper Manufacturing Company, Albany, N. Y. Cardboard, photographic mounts and glazed paper.

Albany Perforated Wrapping Paper Company, Colonie and Montgomery streets, Albany, N. Y. New York office, 88 Reade street. Other branches in Chicago, Boston and San Francisco. Toilet papers in rolls, perforated or plain, round or oval, and packages wired or banded, in all qualities, sizes or counts, with regular or special wrappers; daily capacity, 1,000 cases; "Equity" and "Unique" adjustable delivery (sole makers); lock fixtures, "Diamond" brands of paper; waxed tissue, manila or white, in perforated or plain rolls; cash register and arithmometer paper for all machines, ruled or plain; toilet fixtures for use of perforated or plain rolls or packages. Foreign branches in London, Paris, Berlin and Cologne. Cable address, "Wheeler," Albany. Codes, Western Union and Adams Eighth edition.

The Albemarle Paper Manufacturing Company, Richmond, Va. Blotting and stereotyping papers. Foreign agents: Gustav Dehmann, Wedekindstrasse 27, Hanover; J. Wierschem, rue de l'Education 47, Brussels; E. Almasy, A. Félix & Cie, 5 rue Cléopâtre, Alexandria; W. H. Beers, 170 Edmund street, Birmingham; American Trading Co., Yokohama. Cable address, "Worldblot," Richmond. Codes, A B C Fourth edition and Western Union.

Albion Lumber Company, Crocker building, San Francisco, Cal. Mills at Albion, Cal. Redwood lumber and railroad ties.

Chester B. Albree Iron Works, 1117 Market street, Allegheny, Pa. Bridge railing, structural and ornamental iron work, iron and steel forgings. Thacher patent concrete bars, pneumatic and hydro-pneumatic

riveting machines. Foreign agents: Charles G. Eckstein, Spandauerstrasse, Berlin; K. Lund & Co., Christiania. Cable address, "Albree," Pittsburg. Code, Lieber's.

The E. D. Albro Company, 1025 West Sixth street, Cincinnati, Ohio. Mahogany, hardwood lumber and veneers. Jobbers of Cuban mahogany. Cable address, "Oracle," Cincinnati. Codes, A B C Fourth and Fifth editions, Lumbermen's Telecode, Lieber's and Western Union.

D. W. Alderman & Sons Company, Alcolu, S. C. Yellow pine lumber. Code, Southard's American Lumberman's Telecode.

Aldine Grate and Mantel Company, Grand Rapids, Mich. Wood mantels, clock cases, patent Aldine open fire-places, direct draft fuel grates, gas grates and all supplies for above. Jobbers of tiles for hearths and floors.

C. E. Aldrich & Co., 89 Bedford street, Boston, Mass. Factories at Farmington, N. H. Men's and boys' boots and shoes.

Alexander Brothers, 410 North Third street, Philadelphia, Pa. High grade oak leather belting for machinery, hydraulic leather, machine straps, belt dressing, belt cement, and leather specialties. Jobbers of lace leather and leather sundries. Foreign agents: Andrew McLean & Co., Glasgow.

G. W. Alexander & Co., Reading, Pa. Soft fur hats.

Alger, Smith & Co., Duluth, Minn. White pine and Norway pine lumber in the rough.

The Algonquin Company, 225 Passaic street, Passaic, N. J. Cotton warp woolen goods.

Allegheny Steel and Iron Company, Farmers' Bank building, Pittsburg, Pa. Works at Brackenridge, Pa. Open hearth steel ingots, billets, sheet and tin bars, sheets and light plates. Cable address, "Allsteelco," Pittsburg. Code, Western Union.

Allen Manufacturing Company, corner Union and Walnut streets, Nashville, Tenn. Steel ranges.

S. L. Allen & Co., 1107 Market street, Philadelphia, Pa. "Planet Jr." seed sowers, wheel hoes, garden plows, one and two-horse cultivators, orchard cultivators, celery hillers, potato diggers and "Flexible Flyer" sleds. Cable address, "Planetjr," Philadelphia. Codes, A B C Fourth edition, A 1, Atlantic Directory, Harvey's Abecedary and private.

Alling & Co., 180 Broadway, New York. Factory at Newark, N. J. Fine jewelry.

Allis-Chalmers Company, New York Life building, corner La Salle and Monroe streets, Chicago, Ill. New York office, Empire building, 71 Broadway. Plants in Milwaukee and Chicago. "Reynolds Corliss" engines for all power purposes; electric light and street railway engines; gas engines; pumping, blowing and hoisting engines; air compressors; mining and smelting machinery; rock crushing machinery; cement machinery; flour mill machinery; saw mill machinery; perforated metal; power transmission; sugar house machinery; valves; water power installation, steam turbines and water turbines. Electrical Department, The Bullock Electric Manufacturing Company; alternating current and direct current generators and motors; transformers, rotary converters and street car equipments. Foreign branches in London and Johannesburg. Cable address, "Founders," Chicago. Codes, all standard codes and F. & C. Second edition.

W. D. Allison Company, 905 North Alabama street, Indianapolis, Ind. New York office, 1 Madison avenue; Boston office, 100 Boylston street; Chicago office, 35 East Randolph street. Manufacturers of physicians'

office furniture, invalid chairs and Behlmaier vibrators. Foreign agents: Mosler, Bowen & Cook, Mexico City. Cable address, "Allisco," Indianapolis. Codes, Manufacturers' and Western Union.

The Allyne Brass Foundry Company, Cleveland, Ohio. Brass, bronze and aluminum castings.

Almy Water-Tube Boiler Company, 178 Allen avenue, Providence, R. I. Almy's patent sectional water tube boilers for passenger, freight, tug, ferry and torpedo boats, dredges, elevators, in fact for all classes of vessels, whether sea-going or for shallow river work; stationary boilers, quick steaming boilers for fire pump service; also mining boilers knocked down for head carrying and mule back transportation. Cable address, "Almyboiler," Providence. Code, Western Union.

Alpha Portland Cement Company, Easton, Pa. Alpha brand Portland cement. Cable address, "Alpha," Easton. Code, Western Union.

Jacob K. Altemus, 2824 North Fourth street, Philadelphia, Pa. Winding, spooling, warping, beaming and warp splitting machinery, for all kinds of yarns. Cable address, "Sumetla," Philadelphia. Code, Western Union.

Alton Paving, Building and Fire Brick Company, Alton, Ill. Paving and building brick.

Amazon Knitting Company, Muskegon, Mich. Ladies' and children's summer knit underwear and hosiery.

Amberg File & Index Company, 438 Fulton street, Chicago, Ill.; 79 Duane street, New York; 27, Little Britain, London. Letter filing cabinets. Cable address, "Fileamb." Code, private.

The American Agricultural Chemical Company, 26 Broadway, New York. Works in various states. Complete fertilizers and superphosphates. Cable address, "Agrichem," New York. Codes, A B C Fourth edition and Lieber's.

The American Ball Bearing Company, Edgewater park and L. S. & M. S. railway, Cleveland, Ohio. Ball bearing axles for horse and horseless vehicles, ball thrust bearings and ball bearings of all kinds. Cable address, "Bearings," Cleveland. Codes, Western Union, Atlantic Directory, Lieber's and A B C.

American Blower Company, 1400 Russell street, Detroit, Mich. New York office, 141 Broadway. Heating and ventilating apparatus, fans, blowers, pressure blowers, exhaust fans; engines, dry kilns, brick dryers, special dryers, traps and mechanical draft apparatus. Foreign agents: Erith's Engineering Company, London; H. S. Tanaka & Co., Tokyo. Cable address, "Ventilator," Detroit. Codes, A B C, Lieber's, Western Union and private.

American Brake Shoe and Foundry Company, 170 Broadway, New York. Works at Chicago Heights, Ill.; Bloomfield and Mahwah, N. J.; Buffalo and Corning, N. Y.; Chattanooga, Tenn. Brake shoes and miscellaneous castings for railway service; miscellaneous steel castings. Cable address, "Brakeshoe," New York. Code, Western Union.

American Can Company, 11 Broadway, New York; Merchants' Loan and Trust building, Chicago; Merchants' Bank building, Baltimore; 214 Mission street, San Francisco. Thirty-six factories. Tin cans and sheet metal containers for every purpose, tinware, galvanized ware, packers' cans, paint and varnish cans, baking powder cans, oil cans, butter and lard packages, candy pails and cans, confectioners' novelties, condensed milk cans, domestic oil cans, dinner pails, flour bins, oil tanks, signs, etc. Specialties made directly to the order of customers. Cable address, "Amcanco," New York. Code, Lieber's.

American Car and Foundry Company, 25 Broad street, New York. Works throughout the United States. Coal, dump, freight, hand, push, logging, mine, passenger, plantation, construction, tank, wrecking, caboose, street and rail cars; bar iron, castings, forgings, water pipe, car wheels. Foreign agents: Dutilh-Smith, McMillan & Co., 29 Great St. Helen's, London, E. C. Cable address, "Nallim," New York. Codes, A 1, Lieber's, A B C and Western Union.

American Caramel Company, Lancaster, Pa. Caramels and caramel specialties. Cable address, "Bonbons," Lancaster, Pa. Codes, A B C and private.

American Carriage Company, 1275 Budd street, Cincinnati, Ohio. Heavy buggies, phaetons, Concord buggies and jump seat buggies, three-spring carriages, pony buggies, pony phaetons and traps. Cable address, "Venator," Cincinnati.

The American China Company, Toronto, Ohio. High grade semi-porcelain dinner and toilet ware, double thick hotel ware, and the Cable shape ware.

American Circular Loom Company, corner Highland and Suffolk streets, Chelsea, Mass. Works at Chelsea and at New Orange, N. J. "Circular Loom" flexible conduits and "Electroduct" enameled steel conduits. Foreign branch in London. Cable address, "Amloom," Chelsea. Code, Western Union.

The American Cotton Oil Company, 27 Beaver street, New York. Cotton-seed products; prime summer yellow and white oils, prime winter yellow and white oils; "Sun" and "Moon" brand oils, butter, Union pure salad oil, I X L prime cooking oil; cotton-seed oil, stearine cake, meal, linters, ashes and hulls. Cable address, "Amcotoil," New York. Codes, A B C Fourth edition, Lieber's and private.

American Cutlery Company, 169-197 Mather street, Chicago, Ill. New York salesrooms, 108 Chambers street. Table cutlery; butcher, cook and carving knives and forks, serrated-edge bread knives, spring balance scales. Foreign agents: South British Trading Company, London. Cable address, "Cutlery," Chicago. Codes, Lieber's, Atlantic Directory, Western Union and private.

American Diamond Rock Drill Company, 95 Liberty street, New York. Diamond drills for prospecting mineral lands and ore bodies, taking out complete core or sample of material penetrated; also for artesian wells, testing foundations, and all classes of rock boring. Foreign agents; Honig & Mock, Ltd., 7 Mark lane, London; Juan Cuyás, 2a Calle de Dolores No. 20, City of Mexico. Cable address, "Occiduous," New York. Codes, A B C Fourth and Fifth editions, Atlantic Directory, Lieber's, Moreing & Neal's.

American Dyewood Company, 648 Bourse building, Philadelphia, Pa. Branches at 156 William street, New York; 115 High street, Boston, and Hamilton, Ontario. Works at Chester, Pa., and East Boston, Mass. Dyewoods and dyewood extracts, logwood, fustic, quercitron bark, cutch, redwoods, indigo and aniline colors. Jobbers of chemicals and colors generally. Export offices, Philadelphia and New York. Foreign agents: McArthur & Co. and E. Brownbill & Co., Liverpool; Ebeling & Telge and Louis Voigt & Co., Hamburg; S. Ronzoni, Milan. Cable address, "Dyewood," Philadelphia and New York. Codes: A B C Fifth edition for the Philadelphia office; A B C Fifth edition and Lieber's for the New York office.

American Electric Telephone Company, 30 West Jackson boulevard, Chicago, Ill. Telephones, magnet and central energy; telephone switch-

boards, multiple cable heads, lightning arresters, storage batteries and machinery for power plants. Cable address, "Microphone," Chicago. Codes, A B C and Western Union.

American Enameled Brick and Tile Company, Metropolitan Life building, 1 Madison avenue, New York. Works at South River, N. J. Thirty-four branches in the United States and Canada. Enameled bricks and tiles in standard sizes, as follows: English size standard, 2⅞x8⅞x4⅜ inches; American size standard, 2¼x8¼x4⅛ inches. English size flats, 4⅜x8⅞x2⅞ inches. American size flats, 4⅛x8¼x2¼ inches. The first two figures are the sides on which enamel is put. English size standard lay 5⅓ to the square foot; American size standard, 7⅓ to the square foot; English size flat, 5 7-10 to the square foot; English size double hollow brick lay 2 66-100 to the square foot; English size hollow brick, 2⅞x8⅞x4⅜ inches; English size double brick, 5⅞x8⅞x4⅜ inches. These are the same as English standards, with two square holes 1½x1½ inches, each running through the body at right angles with the 8⅞x4⅜ inch sides of the brick. Coign returns or bull nose returns made for all these sizes. Special moulded brick for cornices, chair-rails, surbases and dadoes. Made in white, ivory, cream, red brown, robin's egg blue, French gray, apple green, teapot brown, chocolate, dark blue, sage green and other colors. These goods are sanitary, germ, acid and alkali proof; suitable for residences, hospitals, stables, offices, schools, factories, distilleries, and all places where freedom from germs is desired. Cable address, "Amerebrick," New York. Code, Western Union.

American Encaustic Tiling Company, Ltd., 1123 Broadway, New York. Works at Zanesville, Ohio. Sanitary indestructible flooring of all kinds; art ceramic mosaics for interior and exterior wall and floor decorations; glazed, white and ivory wall tiles; enameled, hand-painted, gold and Palissy decorated art tiles, moldings, coves and bases. Cable address, "Tilene," New York. Codes, A B C Fourth edition, Lieber's, Western Union and Atlantic Directory.

The American Engine Company, Bound Brook, N. J. High speed simple and compound engines; electrical machinery consisting of direct current dynamos and motors.

American Foundry and Furnace Company, Bloomington, Ill. Warming, ventilating and sanitary apparatus for public buildings; also a general line of iron and steel construction work for buildings.

American Glue Company, 121 Beverly street, Boston, Mass. Main office at Trenton, N. J. Branch store at 14 Ferry street, New York. Works at Hallowell, Me.; Peabody, East Walpole and Malden, Mass.; Springdale, Pa., and Chicago, Ill. Glue, gelatine, isinglass, sand paper, garnet paper and emery cloth and paper. Jobbers of emery, quartz, fertilizer material and fish oils. Cable address, "Glueking," Boston. Codes, A B C and Western Union.

American Hair Cloth Company, Pawtucket, R. I. Hair cloth and fiber cloth. Cable address, "Zedmol," Pawtucket. Code, A B C.

American Hard Rubber Company, 11 Mercer street, New York. Works in Long Island, New Jersey and Ohio. Hard rubber goods of every description. Foreign branch at 115 Fore street, E. C., London. Cable addresses: "Aharubco," New York; "Hardrubber," London. Code, Lieber's.

American Harrow Company, 1482 Hastings street, Detroit, Mich. New American manure spreader; Legal Tender poleless, Detroit and Wolverine disk harrows; New American and American pivot axle riding cultivators; New Detroit walking cultivators.

American Hoist and Derrick Company, 63 S. Robert street, St. Paul, Minn. Hoisting machinery; hoisting, pile driving and bridge builders' engines; derricks, locomotive cranes; hand power, horse power, electric and belt hoists. Foreign agents: Graham Brothers, Stockholm; Thomas Leegaard, Christiania. Cable address, "Derrick," Saintpaul. Codes, Lieber's and Western Union.

American Hominy Company, Majestic Building, Indianapolis, Ind. Factories at Indianapolis, Terre Haute and Mt. Vernon, Ind.; Decatur and Danville, Ill.; Toledo, Ohio; Hamburg, Iowa, and St. Joseph, Mo. Brewers' grits, meal and flake, and white corn products, such as corn flour and oil, hominy, feed and oil cake. Jobbers of breakfast hominy and meal. Foreign agent: John M. Turner, Hamburg. Cable address, "Homcoy," Indianapolis. Code, Riverside.

American Horse Shoe Company, Phillipsburg, N. J. Horse and mule shoes and toe calks.

American Injector Company, 305 Congress street West, Detroit, Mich. Injectors, ejectors, syphons, jet pumps, grease cups, brass oil cups and glass oil cups. Cable address, "Aminco," Detroit. Code, Western Union.

American Iron and Steel Manufacturing Company, Lebanon, Pa. Works also at Reading, Pa. New York office, Postal Telegraph building, 253 Broadway. Philadelphia office, Harrison building. Bar iron, bolts, nuts, spikes and rivets. Cable address, "Ambolt," Lebanon. Codes, A B C, Lieber's and Western Union.

American Lady Corset Company, 290-298 Fort street West, Detroit, Mich. Corsets. Cable address, "Amlady," Detroit. Code, Western Union.

American Leather Company, Ferry and Jacob streets, New York. Branches: 114-116 South street, Boston; 558 Main street, Cincinnati. Factories at Wilmington, Del. Glazed kid, Commonwealth, Crispin, Columbia and Capitol brands, black and colored; sole selling agents, The Premier Leather Company. Factories at North Newark, N. J.: Chrome calf leather; also Howell-Hinchman Company's patent and enamel side leather. Foreign selling agents: Marquis, Chattin & Co., London; Wm. Silvester & Sons, Stafford, England; Gavin, Gibson & Co., Ltd., Sydney and Melbourne; Emil Grube, Hamburg; Carlsson & Aqvist, Orebro, Sweden. Cable address, "Graleath," New York. Codes, Lieber's, A B C and private.

American Linen Company, Fall River, Mass. Cotton cloths out of print cloth yarns.

American Lithographic Company, 52 East Nineteenth street, New York. General lithographic work; cigar, wine and liquor labels. Cable address, "Amlico," New York. Code, Lieber's.

American Locomotive Company, 25 Broad street, New York. Works at Schenectady and Dunkirk, N. Y.; Allegheny, Pa.; Paterson, N. J.; Providence, R. I.; Scranton, Pa.; Richmond, Va.; Manchester, N. H., and Montreal, Canada. Single-expansion and compound locomotives for freight and passenger service; locomotives for contractors, mines, furnaces and plantations; switching locomotives, oil burning locomotives, compressed air locomotives, tramway locomotives, logging locomotives, locomotives for special service; locomotive boilers, tanks, cylinders, etc. All parts made accurately to standard gauges and templates; special attention paid to orders for duplicate parts for repairs and replacements. Cable address, "Locomotive," New York. Codes, Western Union, Lieber's, A B C Fifth edition and Manufacturers' Export.

American Machinery and Export Company, 114 Liberty street, New York. Saw-mill machinery, wood-working machinery, circular saws, power transmission machinery, shingle machines, turbine water wheels; corn and wheat grinding mills, feed grinders. Jobbers of engines, boilers, machine tools, mechanical stokers, pneumatic tools, foundry specials, gas and gasoline engines. Foreign branches in Havana, Mexico, Manila, Osaka, Wellington, Melbourne, Stockholm and Christiania. Cable address, "Amryad," New York. Codes, Western Union, Lieber's and A B C Fourth edition.

The American Mills Company, Waterbury, Conn. New York office, 55-57 White street. Elastic fabrics: elastic webbings, suspender and garter webbings, elastic braids, suspender braids. Cable address, "Archermill," New York. Code, Western Union.

American Oak Leather Company, Cincinnati, Ohio. Branches in Chicago, Boston and St. Louis. Factory also at Louisville, Ky. "Rock oak" sole leather, sides, backs and bends; belting butts, in the rough, or curried and stretched; shoulders, bellies and heads; oak cut soles and counters; patent and enameled leathers, for carriage, harness and furniture manufacturers. Cable address, "Zooak," Cincinnati. Code, Atlantic Directory.

American Optical Company, Southbridge, Mass. Spectacles and eye glasses in all metals, lenses of all kinds, eye glass chains and hooks, trial sets and trial frames, spectacle cases, optical machinery and tools. Foreign branch in London. Cable address, "Amoptico," Boston. Code, Western Union.

The American Pad and Textile Company, Greenfield, Ohio. Textile works at Cartersville, Ga. Pads for horses, including a complete line of collar pads for team and coach collars, also pads for gig and express saddles, breast collars, riding saddles and cart saddles; full line of felt pads for team and coach collars, gig and express saddles. Cotton goods: drills and sheetings. Cable address, "Padfac," Greenfield, Ohio. Code, Western Union.

American Parquetry Floor Company, 1124 Washington avenue, Philadelphia, Pa. Parquetry flooring, ⅜ to ⅞ inch thick; wood carpets, wood grilles and fret work, wainscoting, ceilings, wire window screens to order. Cable address, "Amparquo," Philadelphia. Code, Western Union.

The American Pipe Manufacturing Company, 112 North Broad street, Philadelphia, Pa. Wrought-iron pipe lined with cement, for water and other works. Engineers and contractors for water and other works.

The American Playing Card Company, Kalamazoo, Mich. New York office, 82 Duane street. Playing cards. Foreign agent: Louis Halle, 65 Fordnych street, West Hampden, London. Cable address, "Playcard," Kalamazoo. Codes, A B C Fourth edition, Western Union and Lieber's.

The American Preserve Company, 950 Beach street, Philadelphia, Pa. Fruit butters, jellies, preserves, mince meat, catsups; maple, table and rock candy syrups; soups, baked beans, salad dressing and fruit syrups. Packers of honey, apple and malt vinegar in bottles, mustard and salad oil.

The American Pulley Company, Twenty-ninth and Bristol streets, Philadelphia, Pa. All wrought steel parting pulleys, sheaves, cases for window frames; pressed steel shapes. Foreign agents: American Mills Supply Co., London; H. Glaenzer & Perreaud, Paris; J. Lambercier & Cie, Geneva; Morgan & Elliot, Bilbao; Louis Reijners, Amsterdam; Aktiebolaget V. Löwener, Stockholm; V. Löwener, Copenhagen; Jenkins & Co., Durban and Cape Town; Hamilton & Co., Johannesburg; Smellie &

Co., Brisbane; Tinsley Eliza & Co., Melbourne; H. P. Gregory & Co., Sydney; J. Hill & Sons, Adelaide, S. Australia; W. A. Ryan & Co., Auckland, New Zealand; E. O. Hall & Son, Honolulu. Cable address, "Amerpulley," Philadelphia. Codes, Western Union and Lieber's.

American Radiator Company, 282-284 Michigan avenue, Chicago, Ill. New York office, 42 East Twentieth street. Works at Detroit, Buffalo, St. Louis, Titusville (Pa.), Springfield (Ohio), and Litchfield (Ill.). "American" Radiators and "Ideal" house heating Boilers for steam and hot water; "Ideal" tank water Heaters for domestic and other uses; steel tubular Boilers for steam and hot water heating; steel storage tanks, air valves and fitting specialties. Foreign branch in London. Cable address, "Radiators," Chicago. Codes, Lieber's and private.

American Road Machine Company, Kennett Square, Pa. Improved road machinery: "Champion" road machines, rock crushers, stone spreading wagons and road rollers. Jobbers of wheel scrapers, drag scrapers, road plows, dump wagons, contractors' carts. Foreign agents: J. P. Carolin & Co., Melbourne. Cable address, "Taft," Kennett, Pa. Codes, A B C, Lieber's and Western Union.

The American Rolling Mill Company, Middletown, Ohio. Black and galvanized open hearth steel sheets; corrugated iron and steel; steel roofing and siding; galvanized and copper conductors and eavestroughs. Cable address, "Armco," Middletown. Code, Western Union.

American School Furniture Company, 94 Wabash avenue, Chicago, Ill. New York office, 19 West Eighteenth street. Twelve factories in different states. School and church furniture; school desks, opera chairs and railroad settees. Foreign agents: Leyden & Van Beest, Rotterdam; G. & C. Merriam Co., Sydney; W. R. Grace & Co., Valparaiso. Cable address, "Amfurnco," New York. Code, Western Union.

American Seeding Machine Company, Springfield, Ohio. Factories at Springfield, Ohio; Richmond, Ind.; Louisville, Ky.; Macedon and Shortsville, N. Y. Agricultural implements, grain drills, broadcast seeders, corn planters, rice and beet seed drills, disk harrows, etc. Foreign agents: Alfred Grodzki, Warsaw; Coloroni & Co., Milan; Richter & Robert, Hamburg; R. Hollingsworth & Co., Orebro (Sweden). Cable address, "Amsemaco," Springfield. Codes, Lieber's, A B C, A 1 and Western Union.

American Sewer Pipe Company, Bessemer building, Pittsburg, Pa. Works in Pennsylvania, Ohio, West Virginia, Michigan and Indiana. Sewer pipe, flue linings, wall coping, paving brick, roofing tile and fire brick.

American Sheet and Tin Plate Company, Frick building, Pittsburg, Pa. New York office, Battery Park building. Works in Pennsylvania, Ohio and Indiana. Bessemer and open hearth sheets and plates of all finishes; galvanized steel sheets; corrugated sheets, black, galvanized and painted; Wood's patent planished sheets, Wood's refined sheets, Wood's patent planished locomotive jacket iron, Wellsville polished steel sheets, range steel sheets, Round Oak stove body sheets, electrical sheets, automobile steel sheets, locomotive jacket steel sheets (for painting), metallic furniture sheets, special grade of steel sheets adapted for deep stamping, "V" crimped roofing sheets, 3 "V" crimped roofing sheets, standing seam roofing, roll roofing, imitation brick siding, weather board siding, metal lathing, corrugated ridge roll, corrugated "V" capping, corrugated side wall flashing, corrugated end wall flashing, plain ridge roll, plain "V" ridge cap; curved corrugated sheets, used principally for awnings, arches, etc.; rock face brick siding, rock face stone siding, galvanized eave trough, conductor pipe (plain round, round corrugated and square corrugated), expanded metal lath, "Apollo Best Bloom" galvanized

sheets; M. F., U. S. Eagle N. M., American Old Style and other terne plates. Continuous roofing coke and charcoal plates for stampers and can makers, and enameling stock for enameled ware manufacturers. Cable address, "Sheetsteel," New York. Codes, A B C, Lieber's, Western Union and U. S. Steel Corporation.

American Ship Windlass Company, Waterman and East River streets, Providence, R. I. Windlasses, winches and capstans, steam, electric and hand; horse power capstans; yacht windlasses and capstans; mast and centerboard winches; Shaw and Spiegle patent automatic steam towing machines; Winter's patent wharf drop gearing; rudder supporters, chain stoppers, rubber hawse pipe stopper balls; Babbitt patent improved stockless anchors; barring and hoisting engines; schooner and barge outfits; hand steering gear and ship machinery generally. Automatic steam windlasses, absolutely guaranteeing against parting of chains. Elastic yielding windlasses, hand or steam. Taylor gravity under-feed stokers for stationary boilers. Foreign agents: C. E. Soley & Farrar, 19 Castle street, Liverpool; Arthur Behrens, 52 Fontanka, St. Petersburg; Walter Stocker, Boulevard Léopold, 27, Antwerp. Cable address, "Providence," Providence. Codes, Western Union and Manufacturers' Export.

American Smelting and Refining Company, 71 Broadway, New York. Works in the United States and Mexico. Gold, silver, lead, copper, zinc, copper sulphate, C. P. litharge and C. P. test lead.

American Spinning Company, Greenville, S. C. Cotton yarns, 8 to 24; cotton sheetings, 48x48 (in 26-inch split selvage and 52-inch); 64x64, 68x72 and 80x84 (in 36 to 40 inches); 48x52 and 60x56 (in 36 inches); and 48x48 (in 60 inches).

American Steam Gauge and Valve Manufacturing Company, 208 Camden street, Boston, Mass. New York office, 26 Cortlandt street. Pressure gauges, steam, water, air, recording, vacuum; pop safety valves, underwriter water relief valves, cylinder relief valves; counters, clocks, whistles, steam engine indicators, planimeters, engineering specialties. Foreign agents: The Fairbanks Company, Montreal, Toronto, Winnipeg and Vancouver; A. A. Fendian, Cairo, Egypt. Cable address, "Steamgauge," Boston. Code, Western Union.

American Steam Pump Company, Battle Creek, Mich. Marsh steam pumps and Boult's wood-working machinery. Foreign agents: Muller, McLean & Co., 116 Broad street, New York, for China and Japan; J. K. Robinson, 116 Broad street, New York, for Chile, Bolivia, Peru and Ecuador; V. Löwener, Copenhagen and Christiania; Aktiebolaget V. Löwener, Stockholm; Castle & Cooke, Ltd., Honolulu; Intercolonial Deep Well Boring and Manufacturing Company, Brisbane; M. O. Horowitz, Kieff; Geveke & Co., Amsterdam; Erith Engineering Company, London; J. O'Hara Murray, Berlin; Ludwig Becker, Offenbach, Germany; Montgomery & Co., Paris; Ingri. Giorgi, Arabia & Co., Rome and Vienna; Williams & Wilson, Montreal; A. R. Wilson Machinery Company, Toronto; Cowie Bros. & Co., Glasgow, for Scotland and India; Werner Hult, Helsingfors; Korff, Honsberg y Cia., Mexico City; Finlay Bros. and Waymouth Trading Company, San Juan, Porto Rico. Cable address, "Pumps," Battle Creek. Codes, Lieber's, A B C and private.

The American Steel Scraper Company, corner of Court street and Wilkinson avenue, Sidney, Ohio. Road scrapers, wheeled scrapers, solid steel tray wheelbarrows, tubular wheelbarrows, road plows, pressed steel shapes. Cable address, "Excavate," Sidney, Ohio. Codes, Western Union and Lieber's.

American Steel and Wire Company, Frick building, Pittsburg, Pa. New York office, 71 Broadway. 32 different plants. Wire products of every

description. Foreign branch in London. Cable address, "Amstelwire," New York. Codes, A 1, A B C Fourth and Fifth editions, Lieber's, Western Union, Whitelaw's Cyphers and Official Vocabulary.

American Stove Company of N. J., St. Louis, Mo. (Divisions: George M. Clark & Co., Chicago; Dangler Stove Co., Cleveland; National Stove Co., Lorain, Ohio; Ringen Stove Co., St. Louis; Schneider & Trenkamp Co., Cleveland; Standard Lighting Company, Cleveland; Monarch Stove Company, Cleveland.) Stoves and ranges: gas ranges, gasoline stoves, oil cooking stoves, oil heaters, gas heaters, steel coal ranges, gasoline soldering furnaces; ovens for gas, gasoline and oil stoves.

American Tag Company, State and Sixty-first streets, Chicago, Ill. New York office, 383-385 West Broadway. Shipping tags, tag envelopes, railroad baggage checks (paper).

The American Terra Cotta and Ceramic Company, 138 Washington street, Chicago, Ill. Factory at Terra Cotta, Ill. Architectural terra cotta, "Teco," art pottery.

American Tool and Machine Company, 109 Beach street, Boston, Mass. New York office, 220 Broadway. Works at Hyde Park, Mass. Centrifugal machines for sugar, chemicals, salt, etc.; brass finishing lathes; belt knife leather splitting machines. Cable address, "Atmco," Boston. Codes, A B C Fifth edition and Western Union.

The American Tube and Stamping Company, Bridgeport, Conn. New York office, 258 Broadway. Open hearth steel billets, hot and cold rolled strip steel, tubing and rims for automobiles and cycles, nickel plated steel stove edge trimmings; copperized and nickel plated oilers, lamps and engineers' sets; sheet steel stampings, special drawn and rolled shapes. Cable address, "Wilmothobs," Bridgeport. Codes, Lieber's and A B C.

American Type Founders' Company, 300 Communipaw avenue, Jersey City, N. J. New York office, Rose and Duane streets. Type, brass rules, leads, slugs, electrotypes, etc. Jobbers of printers' machinery, inks, wood goods and printing supplies in general. Cable address, "Typefound," New York. Codes, A 1, Lieber's, A B C and private.

American Wood Board Company, Schuylerville, N. Y. Works at Trionda, N. Y. Tog boards and special cylinder papers for card board and glazed paper manufacturers. Export agents: Parsons Bros., 257 Broadway, New York. Cable address, "Amwoodco," Schuylerville, N. Y. Code, Anglo-American.

American Wood Working Machinery Company, 136 Liberty street, New York. Works at Rochester, N. Y.; Aurora, Ill.; Green Bay, Wis.; Norwich, Conn., and Williamsport and Montgomery, Pa. Machinery for planing mills, sash, door and blind factories, furniture and chair factories and wood working shops in general; boring machines, clamps, dovetailers, dowel and rod machines, knife grinding machines, lathes, mortisers, moulders, buzz planers or hand jointers, single and double surfacers, single and double planers and matchers, sizers, sanders, band and swing saws, re-saws, band re-saws and saw benches; lath mills and bolters, shapers, tenoners, etc. Jobbers of knives, saws, emery wheels, boring bits, belting, band re-saw outfits and all supplies for wood-working shops. Foreign agents: F. Danner, London; E. Ripamonti & Co., Milan; Storm Martens, Christiania; Spoerri & Co., Zurich; Wynmalen & Hausmann, Rotterdam; New Zealand Machinery Co., Ltd., Wellington, N. Z.; Parke & Lacy Co., Sydney. Cable address, "Woodmacho," New York. Codes, Lieber's, A B C, Western Union and private.

American Woolen Company, Ames building, Boston, Mass. Selling agents' office, 66 Leonard street, New York. Woolen goods for men's

wear, beavers, kerseys, friezes, meltons, thibets; wool and worsted, plain and fancy overcoatings; coverts, broad cloths, venetians, granites and vicunas, piece dyes and mixed gray diagonals, fancy weave piece dyes and mixtures, serges, wool and worsted cheviots, all grades of worsted and wool fancy trouserings and suitings and wool and worsted mercerized fabrics; plain and fancy rain cloths. Originators and manufacturers of worsted uniform cloths for postal, railway and army uniforms. Cable address, "Woodwash," Boston.

American Writing Paper Company, Holyoke, Mass. Mills: Windsor Locks, Manchester and Unionville, Conn.; Mittineague, Westfield, Huntington, Lee and South Lee, Mass.; Franklin, Ohio; Watervliet, Mich.; DePere, Wis. Writing papers of all grades; manilas and boards; book and cover papers; specialties. Foreign agents: Parsons Bros., 257 Broadway, New York, London, Sydney and Cape Town.

Ames & Harris, Inc., 100 Sacramento street, San Francisco, Cal. Jute and cotton bags and tents. Jobbers of duck and twines. Cable address, "Ames," San Francisco. Codes, A 1 and Western Union.

Oliver Ames & Sons Corporation, North Easton, Mass. Shovels, spades and scoops.

Amoskeag Manufacturing Company, Ames building, Boston, Mass. Cotton colored goods: denims, ginghams, ticks and shirtings.

Anatron Chemical Company, 35 Burling Slip, New York. Works at Elizabeth, N. J. Bichromate of potash, bichromate of soda. Cable address, "Anatron," New York. Codes, Lieber's and A B C.

The Anchor Nail and Tack Works, South Ninth street and Monongahela river, Pittsburg, Pa. Tacks, small cut nails, cut and copper slating nails; shoe finders' nails and tacks; zinc and iron glaziers' points.

Anchor Stove and Range Company, Inc., successors to Terstegge, Gohmann & Co. (Stratton & Terstegge Co., Inc.), 728-730 West Main street, Louisville, Ky. Foundry at New Albany, Ind. Tin and stamped ware factory, Fifteenth and Lytle streets, Louisville. Manufacturers of a full line of cooking and heating stoves, steel and cast ranges, stove and country hollow-ware, tin ware, japanned ware, stamped ware; copper, tin plate and sheet iron ware; air tight stoves, stove pipe, etc. Jobbers of household and general hardware, sheet metal goods, tin plate, sheet iron, tinners' stock and supplies, wooden ware, cutlery, ice cream freezers, lawn mowers, paints, oils, varnishes, fire clay goods, furnaces, registers, hot air pipes, furnace fittings, etc.

Albert & J. M. Anderson Manufacturing Company, 289 A street, Boston, Mass. Export office, 135 Broadway, New York. Line material and insulators for electric railways, switches and switchboards, and enclosed arc lamps. Foreign agents: Robert W. Blackwell & Co., Ltd., London, Paris, Brussels and Milan; Canadian Rand Drill Co., Sherbrooke, Quebec, Canada. Cable address, "Trolley," Boston. Codes, A B C and Lieber's.

W. H. Anderson & Sons, Inc., 21 St. Aubin avenue, Detroit, Mich. Cold chisels, "Eureka" beet hoes, tools used in laying artificial stone or cement walks and driveways; stone, marble and granite cutting tools; telephone and railroad construction tools; pavers' and sewer builders' supplies; iron and steel forgings for machine and engine parts. Jobbers of hoes, shovels, lanterns, rubber hoes and other contractors' tools. Cable address, "Macomb," Detroit. Codes, Western Union and Atlantic Directory.

Anderson-Tully Company, Memphis, Tenn. Lumber, veneers and box shooks.

to manufacturers whose names are given in this book.

The A. H. Andrews Company, 174 Wabash avenue, Chicago, Ill. New York office, Johnson building, Broadway and Twenty-eighth street. Steel wire chairs, tables and stools; bank and office fittings; office desks, tables and chairs; school desks and supplies; blackboards; opera and assembly chairs; church pews and pulpit furniture; reading desks, etc.; dry kilns, lumber dryers; carbo-slate blackboards. Cable address, "Andrews," Chicago. All codes.

The Angle Manufacturing Company, 78-80 Murray street, New York. Lamps for general illumination; the Angle lamps; Winn adjustable door-holder; Bailey improved pure water still. Cable address, "Anglamp," New York. Codes, Western Union and Manufacturers' Export.

Anheuser-Busch Brewing Association, Ninth and Pestalozzi streets, St. Louis, Mo. New York office, 24-27 West street. Forty-two branch plants in various cities of the United States. Budweiser, Faust, Black and Tan and Pale Lager beers; Malt Nutrine. Foreign branch at Cape Town, South Africa. Cable address, "Anheuser," St. Louis. Codes, A B C and Lieber's.

Ann Arbor Organ Company, 200 First street, Ann Arbor, Mich. Reed organs. Foreign agents: Story & Clark, and F. Kaim & Sohn, London; William Thomson, Glasgow; M. Breebaart, Amsterdam. Cable address, "Organs," Annarbor. Code, Western Union.

Anniston Cordage Company, Anniston, Ala. Sash cord and clothes lines.

The Ansonia Brass and Copper Company, 99 John street, New York. Works at Ansonia, Conn. Brass and copper sheets, rods, tubes and wire; Tobin bronze sheets, rods, and tubes; bare and insulated wire and cable for trolley roads, power transmission plants, electric lighting, etc. Cable address, "Templanza," New York. Codes, Lieber's and A B C.

Ansted Spring and Axle Company, Connersville, Ind. Carriage springs and axles.

Josiah Anstice & Co., 220 Water street, Rochester, N. Y. Hardware specialties, particularly kitchen hardware, dictionary holders, roll paper holders and cutters. Export agent: W. J. Kingsland, 35 South William street, New York.

The Anthony & Scovill Company, 29 Charles street, Binghamton, N. Y. Works also at New Haven, Conn. New York office, 122 Fifth avenue. Ansco cameras, Ansco films, Cyko paper, professional photographers' apparatus and photo-engraving cameras; also photographic chemicals. Jobbers of Hammer dry plates and photo sundries. Cable address, "Tyvalvate," Binghamton. Codes, A B C and Lieber's.

The Arabol Manufacturing Company, 100 William street, New York. Starch, dextrine, British gum, glue, paste, mucilage, resin-soap, Turkey red oil, gums, sizing for textiles and paper. Cable address, "Arabol." Codes, A 1, Lieber's and A B C Fourth edition.

Arawana Mills, I. E. Palmer, Proprietor, Middletown, Conn. New York office, 56 Leonard street. Hammocks and hammock accessories, mosquito bed canopies, mosquito nettings, crinoline dress linings, window screen cloth, horse nettings. Foreign agents: Allez Frères, Paris; R. N. Scott, Montreal; American Agencies, Ltd., London. Cable address, "Arawana," Middletown. Code, Western Union.

Arcade Manufacturing Company, Freeport, Ill. Light hardware, such as coffee mills, spring hinges, mops, cork pullers, lemon squeezers, dampers, toys; also molding machines. Cable address, "Arcade," Freeport, Ill. Code, Western Union.

Arkell & Smiths, Canajoharie, N. Y. Paper, cotton and jute bags. Jobbers of grain bags, twine and second-hand bags.

Arkwright Mills, Fall River, Mass. Fine carded cotton goods, all counts.

The Arlington Company, 473-475 Broadway, New York. Works at Arlington, N. J. Manufacturers of Pyralin (a pyroxolin compound similar to zylonite, celluloid, etc.); pyralin sheets, combs, brushes, mirrors, novelties and fancy goods; also rubber and waterproof collars and cuffs. Cable address, "Pyralin," New York. Codes, A 1, A B C and Western Union.

Armour & Company, 205 La Salle street, Chicago, Ill. New York office, 173-175 Duane street. Factories at Chicago, Kansas City, Omaha, East St. Louis, Sioux City and Fort Worth. Provisions, cured and canned; beef product, fresh, canned and cured; soap, toilet and laundry; glue; fertilizers. Foreign agents in every important market. Cable address, "Armour," Chicago. Codes, A B C and private.

Armstrong Cork Company. General office, German National Bank building, Pittsburg, Pa. New York office, 57 Murray street. Factories at Pittsburg, Lancaster, Beaver Falls, Pa., and Camden, N. J. Corks, cork specialties, cork-board insulation, life preservers, etc. Cable address, "Armstrong," Pittsburg. Code, private.

The Armstrong Manufacturing Company, Bridgeport, Conn. New York office, 139 Centre street. Water, gas and steam fitters' tools, pipe threading machinery, stocks and dies, pipe cutters, wrenches, vises. Jobbers of pipe taps and reamers, hand and machine taps. Cable address, "Armstrong," Bridgeport.

Armstrong & Graham, 128 Jefferson avenue, Detroit, Mich. Harness, horse collars, saddles, etc. Jobbers of horse blankets, robes, nets, dusters, whips, saddlery and saddlery hardware.

The Arnold Print Works, North Adams, Mass.; 40 Leonard street, New York; 183 Essex street, Boston; 221 Fifth avenue, Chicago; Century building, St. Louis. Textiles, white, printed and dyed: shirtings, laces, sateens, plain and fancy silks, percales, seersuckers, piqués, plain and fancy woolen goods, flannels, cheviots, Bedford cords, printed warps, dimities, crepes, lappets, yarn-dyed dress goods, organdies, ducks, jacquards, cotton dress goods, lenos, prints. Foreign branch in Paris. Cable address, "Airglass," New York.

Art Bedstead Company, Thirty-seventh and Rockwell streets, Chicago, Ill. New York office, 636 West Thirty-sixth street. Brass and iron beds. Cable address, "Artbedsted," Chicago. Code, A B C.

Art Metal Construction Company, Jamestown, N. Y. New York office, New York Life building, 346 Broadway. Works at Jamestown, N. Y., and St. Louis, Mo. Steel filing devices; fixtures and furniture, steel library shelving, bank counters, steel lockers and wardrobes. Steel document files and steel vertical files, especially suited for export. Foreign agent: James C. Sellers, 6-8 Crutched Friars, London. Cable address, "Arte," Jamestown. Code, Western Union.

Ashtabula Hide and Leather Company, Ashtabula, Ohio. Carriage, saddlery and book binding leather; dash and upholstering leather. Cable address, "McKay," Ashtabula. Code, Western Union.

The Ashton Valve Company, 271 Franklin street, Boston, Mass. Pop safety valves; water, hydraulic and cylinder relief valves; pressure and vacuum gauges, pressure recording gauges. Foreign agents: Hobdell, Way & Co., Ltd., London; Alex. M. Kiatibian, Vienna; H. P. Gregory & Co., Sydney and Melbourne. Cable address, "Ashton," Boston. Codes, Western Union and A B C Fourth edition.

The Aspinook Company, Jewett City, Conn. Bleachers, dyers, printers and finishers of cotton piece goods for customers.

Aspinwall Manufacturing Company, Jackson, Mich. Potato machinery; potato cutters, planters, sprayers, diggers and sorters; hand sprayers for spraying all kinds of insecticides. Foreign agents: Malcomess & Co., East London, Cape Colony; C. G. Boon, Rotterdam; Hammacher, Delius & Co., Hamburg; Venceslao Carrara, Genoa; J. & W. Bateman, Freemantle, West Australia; Geo. P. Harris, Scarfe & Co., Ltd., Adelaide. Cable address, "Aspinwall," Jackson. Code, Western Union.

Astoria Silk Works, Long Island City, N. Y. Piece-dyed silk goods, velvets and plushes. Cable address, "Astorsilk," New York. Code, Western Union.

The Atchison Saddlery Company, Main street, Atchison, Kan. Harness and harness parts, riding saddles and horse collars. Jobbers of saddlery hardware, leather, sweat pads, horse clothing and material used in manufacturing harness, saddles and collars.

Benjamin Atha & Company, Lister avenue, Newark, N. J. Steel castings, open hearth and Bessemer; the "Atha" cast steel body and truck bolsters. Cable address, "Castings," Newark. Codes, A B C and Lieber's.

E. C. Atkins & Co., Inc., 402 South Illinois street, Indianapolis, Ind. New York office, 64 Reade street. Saws: solid and inserted tooth circular saws; grooving, concave, heading, shingle, metal, crosscut, gang, mulay, band, hand, mitre, butcher, kitchen, compass, pruning, wood and hack saws; plastering trowels and sawmakers' tools of all kinds. Foreign agents: John G. Rollins & Sons, London. Cable address, "Atkinsaw," Indianapolis. Codes, Western Union, Lieber's and Atlantic Directory.

Atlanta Terra Cotta Company, 6 Anstell building, Atlanta, Ga. Works at Terra Cotta, Ga. Architectural terra cotta, special firebrick, ornamental plaster castings.

Atlanta Woolen Mills, Atlanta, Ga. Cassimeres, jeans, cotton yarns, hosiery yarns; doeskins and denims. Cable address, "Nixon," Atlanta. Code, Standard.

Atlantic Cotton Mills, 87 Milk street, Boston, Mass. Selling agents, Amory Browne & Co., 29 Thomas street, New York. Mills at Lawrence, Mass. Cotton sheetings.

Atlantic Terra Cotta Company, 287 Fourth avenue, New York. Works at Tottenville, Borough of Richmond, N. Y. Architectural terra cotta.

Atlantic Works, 70 Border street, East Boston, Mass. Marine engines and boilers, plate ironwork and heavy machinery. Cable address, "Citnalta," Boston. Code, Western Union.

Atlas Engine Works, Nineteenth street and Martindale avenue, Indianapolis, Ind. New York office, 26 Cortlandt street. Throttling engines, self-contained and heavy duty; automatic engines, self-contained and heavy duty; tandem and cross-compound automatic four valve engines, self-contained and heavy duty; high speed automatic four valve engines; girder and heavy duty frame Corliss engines; tandem and cross-compound girder and heavy duty frame Corliss engines; coal oil engines; water tube boilers; high pressure tubular boilers; six-inch return flue boilers; locomotive boilers, with water and open bottoms; oil country locomotive boilers; internal fired Scotch marine boilers; vertical tubular boilers; portable outfits on skids and wheels. Cable address, "Atlasengin," Indianapolis. Codes, all standard commercial codes.

Atlas Lumber and Shingle Company, 404-406 Lumber Exchange, Seattle, Wash. Mills at McMurray, Wash. Washington red cedar lumber and shingles; Oregon or Douglass fir lumber, spruce lumber. Cable address, "Atlas," Seattle. Code, American Lumbermen's Telecode.

Atlas Portland Cement Company, 30 Broad street, New York. Chicago office, 1325 Marquette building. Works at Northampton and Coplay, Pa., and Hannibal, Mo. "Atlas" Portland cement. Cable address, "Atcement, New York.

F. E. Atteaux & Co., 176 Purchase street, Boston, Mass. Works at South Boston, Mass. Dyestuffs, chemicals, cotton softener, water proofing for cloth, aniline color specialties. Jobbers of aniline colors and special chemicals. Foreign agents: W. H. Cole & Co., London. Cable address, "Atteaux," Boston. Codes, A B C Fourth and Fifth editions, Lieber's and private.

Atwood Brothers, East Whitman, Mass. Wooden boxes, shoe racks and casters.

Atwood & McManus, Vale and Carter streets, Chelsea, Mass. Wooden boxes and packing cases.

Auburn Button Works, Auburn, N. Y. Buttons in all sizes and patterns; poker chips; typewriter keys, platen knobs and space bars; electrical supplies—push buttons, switch handles, telephone transmitters, rheostat knobs, small insulating parts of all kinds; gun butt plates and rosettes, pistol scales. Special composition articles of any nature pressed up to order.

The Ault & Wiborg Company, Seventh and Calvert streets, Cincinnati, Ohio. New York office, 445-447 Pearl street. Printing and lithographic inks; dry colors; oils and driers for printing inks. Jobbers in bronze powders and lithographic stones. Foreign branches in London, 4-6 Rosebery avenue, and Buenos Aires (Jas. A. Wheatley, manager). Foreign agents: Andrews & George, Yokohama; Guinle & Cia., 55, rua do Ouvidor, Rio de Janeiro; Alfonso A. Rodrigues, Beytia 87, Lima; Enrique Davis, calle Monjitas 750, Santiago, Chile; Davis & Co., Esmeralda 87, Valparaiso; B. F. Cox, 27 Jamieson st., Sydney; The Ault & Wiborg Co. of Canada, Ltd., 99 Queen street, East Toronto. Cable address, "Aultwiborg," Cincinnati. Code, A B C Fourth edition.

The Aultman Company, Canton, Ohio. Traction engines, threshing machinery; steam road rollers and ice making and refrigerating machines. Cable address, "Aultman," Canton. Codes, Western Union and Lieber's.

The Aultman & Taylor Machinery Company, Mansfield, Ohio. Farm and traction engines; saw mills; grain and rice separators; clover and alfalfa hullers; horse powers; tubular boilers; Cahall vertical and horizontal water tube boilers. Cable address, "Aultaylor," Mansfield, Ohio. Codes, Lieber's, A B C Fourth edition, A 1 and Western Union.

Aurora Cotton Mills, Burlington, N. C. Sales agents, Joshua L. Baily & Co., New York, Philadelphia and Chicago. Ginghams and colored cottons.

Austin Powder Company, 906 Society for Savings building, Cleveland, Ohio. Works at Brooklyn Station and Falls Junction, Ohio. Blasting and sporting powder. Jobbers of fuse and squibs.

The Autocar Company, Ardmore, Pa. Builders of gasoline automobiles for pleasure and business. Cable address, "Autocar," Philadelphia. Code, A B C.

Avalon Knitwear Company, corner Broad and Mohawk streets, Utica, N. Y. Offices at 350 Broadway, New York, and 444 The Bourse, Philadelphia. Cotton and worsted knit underwear. Manufacturers of the patented "Setsnug" underwear.

Avery & Co., Saginaw, Mich. Sash, doors, office and bank fixtures, etc.

The Avery Stamping Company, Lake and Coe streets, Cleveland, Ohio.

Seamless sheet steel cooking utensils—spiders, griddles, kettles, etc.; steel seats and flanged steel wheels for agricultural implements; steel washers, felloe plates, shovels, spades, scoops, post hole diggers, garden trowels, fence posts; steel soda water drums or shells for soda water fountains; steel ties for steam railroads, electric street railways, industrial railways, mines, plantations, brickyards and cement works. Sheet steel stamping a specialty. Foreign agents: Theodore Butler, 149 Queen Victoria street, London; J. P. Richardson & Co., Melbourne. Cable address, "Stamping," Cleveland. Codes, Western Union, Atlantic Directory.

Axelson Machine Company, 1406 San Fernando street, Los Angeles, Cal. Crude oil pumps, in 1¾, 2¼, 2¾ and 4 inch sizes; sucker rods and other oil pumping parts; special web printing presses.

Ayer, Houston & Co., Portland, Me. Selling agents: E. E. Francis & Co., 297 Mercer street, New York. Fur hats for men and boys.

H. H. Babcock Company, Watertown, N. Y. Broughams, phaetons, buggies, carts, victorias. Cable address, "Bab," Watertown. Codes, A B C Fourth edition and Lieber's.

The Babcock Printing Press Manufacturing Company, New London, Conn. New York office, 38 Park Row. General Western agents, Barnhart Bros. & Spindler, Chicago. Cylinder printing presses. Foreign agents: John Haddon & Co., London; Gordon & Gotch, Melbourne; Karl M. Gronberg, Stockholm; M. Radiguer, 35 rue Jacob, Paris: Miller & Richard, Toronto; Fundicion Mexicana de Tipos, City of Mexico; Hugo J. M. Ellis, Singapore. Cable address, "Talbotype," New York and New London. Codes, Western Union and Atlantic Directory.

E. B. Badger & Sons Company, 63-69 Pitts street, Boston, Mass. Coppersmith's work: copper boilers, jacket kettles, vacuum pans, steam coils, steam pipe, stills, fire extinguishers, chemical tanks, skylights; copper, tin and gravel roofing; cornice work and fireproof metallic windows.

Baeder, Adamson & Co., 730 Market street, Philadelphia, Pa. Works also at Newark, N. J., and Woburn, Mass. Stores in New York, Boston and Chicago. Glue, Curled Hair, Hair Felt, Raw-Hide Whips, Flint Paper, Emery Paper, Garnet Paper and Emery Cloth. Foreign agent: Justus Vorhaus, Nürnberg, Germany. Cable address, "Baeder," Philadelphia. Code, A B C.

The Bagley & Sewall Company, Watertown, N. Y. Machinery for manufacturing paper of all kinds; pulp making machinery, pumps for textile mills and centrifugal pumps. Foreign agents: Aktiebolaget Göteborgs Maskinaffar, Gothenburg, Sweden. Cable address, "Bagley," Watertown. Codes, A B C and Lieber's.

Charles L. Bailey & Co., Inc., Harrisburg, Pa. Cut nails and spikes.

E. Bailey & Sons, Inc., Patchogue, N. Y. Doors, sash, blinds, stairwork, cabinet work, mantels, trim, mouldings, dressers, house turnings, etc.; general mill work, etc.

John T. Bailey & Co., South Water and Tasker streets, Philadelphia, Pa. Bags, rope and twine; square braided flax and hemp packings. Cable address, "Hessian," Philadelphia. Codes, A B C and private.

S. R. Bailey & Co., Amesbury, Mass. Pneumatic tired, wire wheeled carriages; carriage poles, carriage hardware, shaft couplings, carriage springs, carriage axles with wire (suspension) wheels. Foreign agents: Jos. Cockshoot & Co., Ltd., Manchester; Mills & Sons, Ltd., London; Tye & Co., Ltd., Melbourne; B. Angus & Son, Sydney; Duncan & Fraser, Adelaide; Edwin Arnold, Wellington; Millian Guiet & Cie, Paris. Cable address, "Bailey," Amesbury. Code, Western Union.

The Bailey Jones Company, Jamestown, N. Y. Tables for offices, libraries, parlors and bedrooms.

S. E. Baily & Co., Lancaster, Pa. Factories and office at Lancaster and York, Pa.; repositories at Lancaster, York, Philadelphia and New York. Depot wagons, deliveries, surries, stanhopes, buggies, runabouts, beverlies, moving wagons with and without rumbles, McCalls, phaetons, busses, wagonettes; light and heavy express work, sleighs and bike gear work a specialty.

Baird Machinery Company, Inc., 123 Water street, Pittsburg, Pa. Control sale of Baird cold-saw cutting off machine, especially designed for steel casting foundries. Dealers in iron and wood-working machinery—lathes, planers, radial drills, upright drills, shapers, slotters, milling machines, keyseaters, hoisting engines, etc. Cable address, "Bairdco," Pittsburg. Codes, Western Union and Lieber's.

Baker Iron Works, Los Angeles, Cal. Oil well tools and supplies; drilling engines; mining, milling and smelting machinery; riveted sheet steel pipe; oil refinery equipment; gas machinery; condensed milk sterilizers. Jobbers of structural steel plate and sheet steel, bar iron, coke, engines, boilers and steam pumps. Cable address, "Alta," Los Angeles. Codes, Western Union and Postal Directory.

Baker Manufacturing Company, Evansville, Wis. Windmills; galvanized steel pumping 5, 8, 10, 12 and 15 feet in diameter, galvanized steel power 12 and 15 feet in diameter; wood pumping centrifugal governing 10, 12, 14 and 16 feet in diameter; wood power centrifugal governing balanced gearing 12, 14 and 16 feet in diameter. Windmill towers, three and four post; tank towers, 25, 45 and 70 barrel. Pumps for windmills, lift, force and valve spout, underground three-way and windmill regulating. Regulators for windmills. Pump cylinders, iron, brass, brass-lined, artesian and irrigating. Pump jack for running pump by belt power. Gasoline engines 2 and 4 h. p. Feed grinders, wood saws, machine jacks, etc. Jobbers of merchant pipe, pipe fittings, pipe tools, well points, float valves, foot strainers and stock waterers. Cable address, "Baker," Evansville. Code, Lieber's.

The Baker Motor Vehicle Company, 116 Jessie street, Cleveland, Ohio. Automobiles. Foreign agents: Anglo-American Motor Car Co., London. Cable address, "Baker," Cleveland. Codes, A B C, Western Union and Lieber's.

O. D. Baker & Co., 25 Sudbury street, Boston, Mass. New York branch, 125 East Forty-second street. Mattresses, pillows, upholstered springs. Jobbers of metal bedsteads and springs.

Baker-Vawter Company, Tribune building, Chicago, Ill. New York office, 350 Broadway. Factories at Chicago, Ill.; Holyoke, Mass.; Atchison, Kan., and Benton Harbor, Mich. Loose leaf binding and filing devices and supplies; perpetual loose leaf ledger. Cable address, "Bavaco," Chicago. Codes, Western Union and private.

Balbach Smelting and Refining Company, 73 Passaic avenue, Newark, N. J. Smelters and refiners of gold, silver, lead and copper ores and bullion; electrolytic copper refiners.

The Baldwin Company, Cincinnati, Ohio. Factories, Cincinnati and Chicago. Makers of the "Baldwin Piano-Player." Owns and controls the following corporations: The Baldwin Piano Company, Cincinnati, makers of the "Baldwin" Piano, Grands and Uprights, grand prix, Paris, 1900, the grand prize St. Louis, 1904; The Ellington Piano Company, Cincinnati, makers of the "Ellington" Piano, Grands and Uprights; The Valley Gem Piano Company, Cincinnati, makers of the

"Valley Gem" and "Howard" Pianos, Uprights only; The Hamilton Organ Company, Chicago, makers of the "Hamilton" Piano, Uprights only, awards and diplomas, Paris, 1900, and Melbourne, 1903; "Hamilton" and "Monarch" Cabinet Organs, silver medal, Paris, 1900. Special styles for export, special construction for extreme climates. Annual capacity of the factories: 12,000 Pianos and 6,000 Organs. Distributing houses: D. H. Baldwin & Co., New York (Carnegie Hall), Cincinnati, Chicago, St. Louis, Indianapolis, Terre Haute, Louisville, Denver and Kansas City. Export Department: D. H. Baldwin & Co., Cincinnati. Cable address, "Baldwinco," Cincinnati. Codes, A B C Fifth edition and Western Union.

Baldwin Locomotive Works (Burnham, Williams & Co.), 500 North Broad street, Philadelphia, Pa. New York office, 71 Broadway. Single expansion and compound locomotives for passenger and goods service; switching, logging and plantation locomotives; locomotives for rack railroads, heavy locomotives for special service, locomotives for mines, mills and furnaces; oil burning, compressed air and electric locomotives; extra parts for locomotives of every description. Foreign agents: Sanders & Co., general agents, 110 Cannon street, London; Norton Megaw & Co., Ltd., Rio Janeiro; Samuel B. Hale & Co., Buenos Ayres; Beeche, Duval & Co., Valparaiso; Frazar & Co., Yokohama and Kobe; William G. Irwin & Co., Ltd., Honolulu; R. Towns & Co., Sydney; Newell & Co., Melbourne; G. & O. Braniff & Co., Mexico City; Charles Denby, Jr., Peking; Krajewski-Pesant Co., Havana. Cable address, "Baldwin," Philadelphia. Codes, A 1, A B C, Harvey's Vanguard, Lieber's and private.

Ball Brothers Glass Manufacturing Company, Muncie, Ind. Fruit and other glass jars.

The Ball & Wood Company, 17 Battery place, New York. Steam engines and welded flanges.

P. Ballantine & Sons, Newark, N. J. New York office, 134 Cedar street. Ale, porter and lager beer brewers and bottlers: "XX" ale, "XXX" Canada malt cream ale, porter, brown stout; India pale and old Burton ales; lager, export, pale extra and "Special Brew" beers—in the wood or bottles; the celebrated "Three Rings" trade-mark. Cable address, "Ballantine," Newark.

Ballard & Ballard Company, 910 East Broadway, Louisville, Ky. Flour and feed. Cable address, "Ballard," Louisville. Code, Riverside 1890 edition.

B. A. Ballou & Co., 61 Peck street, Providence, R. I. New York office, 13 Maiden Lane. Jewelry and jewelers' findings.

Joseph Bancroft & Sons Company, Rockford, Wilmington, Del. Window shade cloth, hollands and book cloth; dyers, finishers and bleachers of all varieties of cotton goods. Cable address, "Rockford," Wilmington. Codes, A B C and Western Union.

The Banner Buggy Company, 914 South Broadway, St. Louis, Mo. Light vehicles: buggies, surreys and light spring wagons.

Banner Rubber Company (Successors to Monarch Rubber Company), Bittner and Kenrick streets, St. Louis, Mo. Rubber boots and shoes.

Barber & Colman, Rockford, Ill. Textile machinery: the "Barber" knotter for the spooling or winding departments of cotton mills. Foreign branch factory in Düsseldorf, Germany. Foreign agents: Barber & Colman, Ltd., 25 Royal Exchange, Manchester. Cable address, "Barcol," Rockford. Code, Western Union.

Barbour Stockwell Company, 205 Broadway, Cambridgeport, Mass. Bakers' and confectioners' machinery, iron castings for machinery, brake

shoes, sand mixers and sifters; special work for street railways; wood workers' quick action vises. Cable address, "Barbstock," Cambridgeport. Code, Western Union.

Barclay Brothers, Sinnamahoning, Pa. Hemlock lumber; flooring, siding and planing mill work.

James Barker, Sixth and Cayuga streets, Philadelphia, Pa. Massage machines for physicians, barbers and home use; light and heavy gray iron castings; two and three doffer double apron rub-motions for condenser cards; comb motions for cotton, woolen and worsted cards; patent grate bars for steam boilers.

William Barker Company, Troy, N. Y. Men's linen collars and cuffs. Cable address, "Barkerco," Troy. Code, Western Union.

The Barnaby Manufacturing Company, Fall River, Mass. Fine colored cotton goods: ginghams, shirtings, waistings and dress goods.

The Barnard Manufacturing Company, Fall River, Mass. Cotton cloth, plain, twill and fancy weaves, from yarns averaging about No. 33, 28 inches to 40 inches wide. Plain brown: 38½ inches, 64x64, 64x60, 64x56, 60x52, and 60x48; 39 inches, 56x44; 31½ inches, 56x52; 28 inches, 64x64 and 64x60; 36 inches, 44x40. Also 36 inch, 64x88 brown sateen, and other counts when ordered. Bleach goods, ticketed "All Nations," "Monument," "Casino," "Colonial" and "Pickwick," in 4/4, 7/8 and 3/4 widths. Sales agents for bleach goods: W. H. Childs & Son, 47 Worth street, New York.

Barnard Manufacturing Company, Spokane, Wash. Manufacturers of flour, cereal and saw mill machinery; iron and wood split pulleys and power connections of all descriptions. Jobbers of mill supplies; leather, rubber, cotton, canvas and link belting; engines, boilers and water wheels. Cable address, "Barnard," Spokane. Code, private.

Barnard & Leas Manufacturing Company, Moline, Ill. Complete flour mills, rice mills and elevators; plan sifters, roller mills, roller feed mills and a complete line of flour mill, rice mill and grain cleaning machinery. Dealers in flour mill and elevator supplies. Export agent, P. Aubeck, 2-4 Stone street, New York. Foreign agents: W. R. Dell & Son, London. Cable address, "Barnard," Moline. Code, private.

A. R. Barnes & Co., 521 Wabash avenue, Chicago, Ill. Printers, and manufacturers of letter impression or copying books.

Barnes, Smith & Co., 182 Water street, Binghamton, N. Y. Cigars. Cable address, "Bath," Binghamton.

The Wallace Barnes Company, 18 Main street, Bristol, Conn. Steel springs for phonographs, clocks, typewriters, organs, pianos, leggins, door checks, window screens, toys, berths; small springs of every description; special brass and phosphor-bronze springs from either flat or round wire. Jobbers of spring steel and wire. Cable address, "Springs," Bristol. Code, Atlantic Directory.

W. F. & John Barnes Company, Rockford, Ill. Wood and metal working machinery; upright and horizontal drills; foot power lathes, arbor presses and grinder tools; scroll, circular, rip and cross-cut saws; formers, mortisers and tenoners for foot and hand power. Agents in all the principal countries of the world. Cable address, "Barnes," Rockford.

Barnet Leather Company, 27 Spruce street, New York. Factory at Little Falls, N. Y. Boston office, 98-100 South street. Russia calf in colors and black; chrome tanned calf skins; chrome tanned patent leather in calf and colt; all for shoe purposes. Cable address, "Newmade," New York. Codes, Lieber's, Widebrook's and Atlantic Directory.

The Barnett Carriage Company, Richmond and Carr streets, Cincinnati, Ohio. Wholesale manufacturers of buggies, carriages, surreys, runabouts, phaetons, spring wagons.

G. & H. Barnett Company ("Black Diamond File Works"), 21 Richmond street, Philadelphia, Pa. Files and rasps. Cable address, "Barnett," Philadelphia. Codes, A B C and Lieber's.

Barnhart Bros. & Spindler, 183 Monroe street, Chicago, Ill. Type, borders, cuts, ornaments, brass rule, silver gloss steel electric welded chases, wood type, brass type, inks, cylinder presses, job presses, platen presses, paper cutters, perforators, cabinets, cases, counters, galleys, mailers, quoins; gas engines, shafting, electric motors, wire stitchers, and all printing office supplies. Foreign agents: Wesselhoeft & Zimmermann, London and Nottingham; Fundicion Mexicana de Tipos, City of Mexico; John Dickinson & Co., Ltd., Cape Town; Frank A. Blake & Son, Shanghai; Gordon & Gotch, for all New Zealand and Sydney and Melbourne. Cable address, "Barnhart," Chicago. Codes, Shay's Cipher and private.

Barnhart Mercantile Company, 518 North Second street, St. Louis, Mo. Edible nuts; peanuts and pecans, recleaned, shelled, prepared, graded and hand picked. Cable address, "Barnhart," St. Louis. Codes, Western Union and U. S. 1893.

H. G. Barr, Worcester, Mass. Sensitive drills, 14, 18 and 20 inch swing, 1, 2, 3, 4, 5, 6 and 7 spindles, with or without power feed and automatic stop; tool room grinders; automatic pin forming machines for small steel or brass pins; adjustable head drills, 1 to 20 spindles. Foreign agents: G. Koepper, Moscow; Peck & Co., Amsterdam. Cable address, "Barr," Worcester. Codes, Western Union and Lieber's.

The Barr Clay Company, Streator, Ill. Paving and building brick.

Barrett Manufacturing Company, 17 Battery place, New York. Other factories and offices at Philadelphia, Chicago, St. Louis, Cleveland, Cincinnati, Allegheny, Kansas City, Minneapolis and New Orleans. Roofing and building papers of all kinds, roofing and paving pitch, carbolic acid, benzol, naphtha, aqua and anhydrous ammonia, and all coal tar products. Cable address, "Anthracene" and "Carbon," New York.

Bartels, Thelen & Co., 209 Albany building, Lincoln street, Boston, Mass. Factory at Chelsea, Mass. Women's, misses', children's and infants' McKay sewed shoes. Cable address, "Bartelco," Boston. Code, Western Union.

Bartlett & Co., 43 Collier street, Binghamton, N. Y. Sash, doors and blinds, interior trim of hard and soft wood. Cable address, "Bartlett," Binghamton. Code, Western Union.

Bartlett, Hayward & Co., Scott and Pratt streets, Baltimore, Md. New York office, 100 Broadway. Founders and engineers; gas works apparatus, gas holders; ornamental, architectural and structural iron and steel work; sheet metal work; heating and ventilating apparatus; hydraulic and electric passenger and freight elevators.

A. F. Bartlett & Co., 930 South Tilden street, Saginaw, Mich. Saw mill machinery, salt well machinery, coal hoisting engines and coal cars, Corliss and slide valve engines and all kinds of second-hand machinery.

The C. O. Bartlett & Snow Company, French and Fall streets, Cleveland, Ohio. Conveying and elevating machinery; flour mill machinery, oatmeal machinery, pearling machinery, paint machinery, cement machinery; mills, crushers and shellers; chain belting and sprockets; coal handling machinery; rifle and blasting powder machinery; steam and direct heat dryers. Foreign agents: Anton Erlanger & Co., Moscow. Cable address, "Bartlett," Cleveland. Code, Western Union.

The Bass Foundry and Machine Company, Fort Wayne, Ind. New York office, 141 Broadway. Works at Fort Wayne, Ind., Rock Run, Ala., and Lenoir City, Tenn. Chilled cast iron car wheels, car and locomotive castings, chilled rolls and castings of similar character; car axles; heavy iron and steel forgings; horizontal tubular and water tube boilers, and Corliss engines; charcoal pig iron for car wheels.

Bass-Hueter Paint Company, 816 Mission street, San Francisco, Cal. Works at 317-319 Jessie street. Everything in the paint line: mixed paints, colors in oil and japan, varnishes and glycerine. Foreign agents: Morishima & Sons, Tokio. Cable address, "Varni," San Francisco. Code, A B C.

The Batavia and New York Wood Working Company, Batavia, N. Y. New York office, 1612 Flat Iron building. Branch at 411 Park building, Pittsburg, Pa. Interior trim and fine cabinet work.

Bateman Manufacturing Company, Grenloch, N. J. Distributing houses in Elmira and Watertown, N. Y.; Springfield, Mass.; Orrville, Ohio; Indianapolis, Ind.; Peoria, Ill., and Manchester, Mich. "Iron Age" wheel hoes, seed and fertilizer drills; "Iron Age" horse hoes, cultivators and harrows; "Iron Age" riding and walking cultivators; "Iron Age" orchard and variety cultivators; "Iron Age" and Improved Robbins potato planters; "Iron Age" four-row sprayers; "Iron Age" Variety truckers' machines; "Iron Age" two-row beet tools; "Iron Age" combined barrel truck, hand cart and leaf rack. Foreign agent: George W. Sillcox, Brussels. Cable address, "Bateman." Code, private.

Bates Machine Company, Joliet, Ill. Corliss engines, feed water heaters, wire working machinery, complete power plants and general machinery.

A. J. Bates & Co., 202 Church street, New York. Factories, Webster, Mass., and Brooklyn, N. Y. Boots and shoes of all descriptions for men, ladies and children; slippers in all grades and styles. Jobbers of all kinds of rubber shoes. Cable address, "Bateshoe," New York. Code, A B C.

The Bauer Cooperage Company, Lawrenceburg, Ind. Whiskey barrels.

Bausch & Lomb Optical Company, Rochester, N. Y. New York office, 1123 Broadway; branches in Chicago and Boston. Lenses for spectacles and eyeglasses; rubber, zylonite and rimless (gold, gold filled and nickel mounted) eyeglasses, microscopes, microtomes and accessories; biological and bacteriological apparatus; photo-micro apparatus; projection lenses, photographic lenses and shutters, stereo and prism binoculars, search-light mirrors, projection lenses and optical goods generally. Jobbers of chemicals for laboratory use, and laboratory glassware. Foreign agents: Nitsche & Gunther, F. W. Ostermann, Max Weissman and A. E. Staley & Co., London; Gross & Wemans Frères, J. Cesar Koch, Max Kahn and E. Krauss, Paris; Bausch & Lomb Optical Co., G.m.b.H., Frankfort o/M; N. Fellheimer, Stuttgart; E. Krauss & Co., Tokyo, Barcelona and St. Petersburg; American Photo Supply Company, City of Mexico; Lychenheim & Co., Havana; Zoeller & Ross, Ltd., Sydney; Carl Zoeller & Co., Ltd., Brisbane; Holister Drug Company and Honolulu Photo Supply Company, Honolulu; Chandler & Massey, Ltd., Toronto and Montreal. Cable address, "Bauschlomb," Rochester. Codes, Lieber's and A B C Fourth edition.

Baush Machine Tool Company, 100 Wason avenue, Springfield, Mass. Radial drills of various types and sizes, bridge and reamer drills, multiple spindle adjustable drills, boring mills and universal joints. Foreign agents: Selig, Sonnenthal & Co., London; Fenwick Frères, Paris. Cable address, "Baush," Springfield. Codes, A B C, Lieber's and Western Union.

Bay State Belting Company, 119 Franklin street, Boston, Mass. Factory, Salem, Mass. Indian tanned and oak tanned leather belting, Indian tanned and raw hide lace leather.

The H. D. Beach Company, Coshocton, Ohio. Lithographed metal signs, frames and decorated metal specialties for premium and advertising purposes; also fine leather goods for advertising purposes.

Chas. Beck Paper Company, Ltd., 609 Chestnut street, Philadelphia, Pa Machinery for paper box making, paper mills, bookbinders, printing, embossing, numbering, punching and shearing, wire stitching; presses: die, embossing, foot, printing, punching; printers' supplies. Jobbers of cards and cardboard; coated, colored, cover and lace paper; stitching wire. Cable address, "Pacific," Philadelphia. Codes, Lieber's and International.

Beech-Nut Packing Company, Canajoharie, N. Y. "Beech-Nut" sliced boiled ham, sliced beef and sliced bacon; "Mohawk" sliced bacon and sliced beef; "Holly" sliced beef; "Erie" sliced bacon and chipped beef; grape, strawberry, raspberry and blackberry jam; ginger pear, cranberry sauce; sweet and bitter orange, grape fruit and rhubarb marmalade; stuffed dates, pineapple preserve, currant jelly and cucumber salad; all packed in glass.

Herman Behr & Co., 75 Beekman street, New York. Factory, 31-45 Tiffany place, Brooklyn, N. Y. Ruby and garnet paper and cloth; flint and emery paper and cloth; pouncing paper, pumice stone, rotten stone, ground flint. Jobbers of glue, emery and marble workers' supplies. Foreign agents: Geo. Ryder Ousey & Co., general agents, London; Geo. Shaw & Co., Denton, England, agents for pouncing paper only; Louis Bret, Bourg-de-Péage, France; G. Navo Figlio, Intra, Italy; Gustav Halberstadt, Copenhagen; Joseph Schneider, Darmstadt. Cable address, "Flintglue," New York. Code, A B C.

Francis Beidler & Co. General office, West Twenty-second and Loomis streets, Chicago, Ill. Branches at Menominee, Escanaba and Sault Ste. Marie, Mich.; Superior, Wis.; Cairo, Ill., and Hattiesburg, Miss. Wholesalers of white, Norway and yellow pine, hemlock, poplar, basswood, cypress, fir, spruce and all varieties of hardwood lumber. All kinds of shingles, lath, pickets; telegraph, telephone and electric light poles; fence posts and railway ties.

J. A. Bel Lumber Company, Ltd., Lake Charles, La. Rough and dressed lumber.

Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass. National reversible sulky plows, reversible walking plows, subsoil and double mould board plows; disk, spring tooth, spike tooth, smoothing and coulter harrows; cultivators, wood and steel frame; "Eclipse" weeders; hoeing machines, potato diggers, cast iron ox shovels, field and hand rollers; fertilizer sowers, single and double row planters, field markers, chicken feed cutters, ensilage cutters and carriers, vegetable cutters, corn shellers, wagon jacks, store and warehouse trucks, bag holders, horse rakes and hay tedders. Foreign agents: J. & H. Keyworth & Co., Liverpool; Thos. McKenzie & Sons, Ltd., Dublin.

H. Belfield & Co., 435 North Broad street, Philadelphia, Pa. Gauges, whistles, valves, lubricators, injectors, steam traps, brass and copper tubing, wrought and cast iron pipe, pipe fittings and tools, gongs, gauge glasses, etc. Cable address, "Belfield," Philadelphia.

The Belknap Wagon Company, Grand Rapids, Mich. Farm, freight and express wagons and sleighs. Export agents, Crossman Bros., New York.

Belle City Manufacturing Company, Racine Junction, Wis. Small threshing machines, sweep and tread horse powers, ensilage cutters, feed and root cutters, hand truck carts, barrel carts, fanning mills, saw frames, bolster springs. Cable address, "Bellecity," Racine. Code, A B C Fourth edition.

Bellmark Pottery Company, New York avenue, Trenton, N. J. Sanitary earthenware; staple articles and specialties. Cable address, "Bellmark," Trenton. Code, Western Union.

Beloit Iron Works, Beloit, Wis. Paper mill machinery; machines for making all kinds of paper and box boards. Cable address, "Paperchine," Beloit. Codes, Western Union, A B C and Lieber's.

E. Bement's Sons, Lansing, Mich. Export office, 68 Broad street, New York. Branches in Dallas, Milwaukee, Minneapolis, Des Moines, Iowa, Rochester, N. Y., Peoria, Ill., and White River Junction, Vt. Disk harrows, "Ajax" cultivators and two-horse cultivators. Cable address, "Aobement," New York. Codes, A B C and Lieber's.

Bemis Bro. Bag Company, 601 South Fourth street, St. Louis, Mo. Jute and cotton flour bags; burlap cotton meal and bran bags; jute and duck ore bags; coffee, wheat, cement and salt bags; cloth advertising signs. Jobbers of twine and burlap goods. Cable address, "Bemis," St. Louis. Codes, Lieber's and Robinson.

M. S. Benedict Manufacturing Company, East Syracuse, N. Y., and Attawa, Ill. New York office, 409 Broadway. Also branches in Chicago and Toronto. Silver-plated hollow-ware and flat-ware, gold-plated clock cases, vases, etc., silver-plated and gold-plated novelties; tinned iron spoons, forks and knives. Foreign agents: Selinger Sons & Co., London; R. W. Cameron & Co., Melbourne and Sydney; E. W. Gilmore & Co., Toronto. Cable address, "Benedict," Syracuse.

Benedict & Burnham Manufacturing Company, Waterbury, Conn. New York office, 253 Broadway. Sheet brass, copper and German silver; brass wire, seamless brass and copper tubing. Cable address, "Benbur," Waterbury. Codes, Atlantic Directory and Western Union.

Benicia Iron Works (Successor to Benicia Agricultural Works), Benicia, Cal. Wood sawing machinery, disk and ratoon plows, barley crushers, clod breakers and pulverizers, disk sharpeners, seeders, tread powers, beet implements, bolts and nuts, harrows, hay tools and rollers. Cable address, "Wakefield," Benicia. Codes, A B C, Western Union and Lieber's.

Bennett Hardwood Lumber Company, North Second street, Memphis, Tenn. Mill and yard also at Wardville, La. Manufacturers of all kinds of hardwood lumber. Cable address, "Benwood," Memphis. Codes, Western Union, Telecode, A B C Fourth and Fifth editions and Lumberman's Standard.

The Benson Investment Company, Los Angeles, Cal. Mine operators and owners.

George P. Bent, 211 Wabash avenue, Chicago, Ill. Pianos and organs. Cable address, "Bent," Chicago. Codes, A B C Fourth edition, Western Union and Postal.

Bentley & Gerwig Furniture Company, Parkersburg, W. Va. Office desks and wardrobes. Cable address, "Lonbent," Parkersburg. Code, A B C Fourth edition.

The Berger Manufacturing Company, 1038 Belden avenue, Canton, Ohio, and 210 East Twenty-third street, New York. Metal ceilings, roofing and siding; metal furniture, cornices, skylights, ventilators, Spanish pile,

eave trough and conductor pipe, lanterns, lamps, torches, oil cans; house, well and spray pumps. Cable address, "Bergeroof," New York. Codes, Western Union and Lieber's.

Berghoff Brewing Company, 1025 Grant avenue, Fort Wayne, Ind. Lager beer. Cable address, "Berghoff," Fort Wayne.

Bering Manufacturing Company, Inc., Houston, Tex. Long leaf yellow pine lumber, sash, doors, blinds, mouldings and general mill work.

William A. Berkey Furniture Company, Grand Rapids, Mich. Furniture.

Berkey & Gay Furniture Company, Grand Rapids, Mich. Bedroom, library and dining-room furniture.

Berkshire Cotton Manufacturing Company, Adams, Mass. Fine cottons, lawns, organdies and India linens.

Berlin Construction Company, Berlin, Conn. New York office, 220 Broadway. Other branches in Boston and Newark. Steel buildings, bridges and structural work, and steel-concrete construction. Specialty, designing and erecting light steel structural frame manufacturing buildings. Corrugated iron; all kinds of riveted work; steel jail cells; steel coal pockets; steel tanks, towers, crane runways, etc. Cable address, "Bercon," New York. All codes used.

The Berlin Machine Works, Beloit, Wis. New York office, 85 Liberty street. Triple drum sanders, automatic glue jointers, moulders, double cut-off saws, band re-saws, band rip saws, shapers, single and double surfacer planers, timber dressers, planers and matchers. Box making machinery and wood working machinery for car shops, furniture, piano, sash, door and blind factories, planing mills, etc. Foreign agents: Schuchardt & Schütte, Berlin, Brussels, Cologne, Stockholm, Vienna and St. Petersburg. Cable address, "Berworks," Beloit Codes, A B C Fourth edition, Lieber's and Western Union.

The E. G. Bernard Company, 1918 Sixth avenue, Troy, N. Y. Manufacturers of dynamos, motors, switchboards, electrical supplies, etc. Also jobbers of telephone apparatus, long distance and factory intercommunicating and branch exchange systems, line material, watchman's time detectors. Cable address, "Dynard," Troy. Code, Western Union.

Bernheim Distilling Company, Inc., Louisville, Ky. New York office, 68 Broad street. Kentucky whiskies and I. W. Harper whiskey. Foreign agent: Reinhart Schneider, 16 Hopfenmarkt, Hamburg. Cable address, "Bernheim," Louisville. Codes, Lieber's, Western Union and Atlantic Directory.

Bernstein Manufacturing Company, Philadelphia, Pa. Metallic iron and brass bedsteads, aseptic hospital furniture and beddings. Foreign agents: Champion & Pasquall, Havana. Cable address, "Bernclay," Philadelphia. Code, A B C.

Berry Bros., Limited, Detroit, Mich. Varnishes of all kinds and wood alcohol.

Berwind-White Coal Mining Company, 1 Broadway, New York, and Betz building, Philadelphia, Pa. Miners of bituminous coal. Foreign agents: Cory Brothers & Co., Ltd., London. Cable address, "Berwind," New York. Codes, Watkins, A 1, A B C Fourth and Fifth editions, Lieber's and Western Union.

Bessemer Coke Company, Lewis block, Pittsburg, Pa. Works in Connellsville region. Connellsville coke; furnace, foundry and crushed coke.

Bessemer Limestone Company, Second National Bank building, Youngstown, Ohio. Crushed limestone for flux, macadam and concreting material; shale paving block; common and ornamental brick.

The Best Street Light Company, 700-900 East Fifth street, Canton, Ohio. Sole manufacturers of the famous "Best" Vapor Gas Lamps for indoor and outdoor use; tip, plate, spray and incandescent vapor gas burners and fittings; street lamps of all kinds for gas, gasoline and kerosene; outdoor torches, blow-pipes, paint burners, soldering furnaces, etc., etc. Cable address, "Best," Canton, Ohio. Codes, A B C Fourth and Fifth editions, Lieber's, Western Union and private.

Bethlehem Steel Company, South Bethlehem, Pa. High grade forgings and castings, pig iron, open hearth billets, muck bar, guns, projectiles, gun carriages, armor, and armor plate vaults; heavy machinery of special design. Cable address, "Mesbeth," Bethlehem. Codes, Lieber's, A B C, Western Union and Watkins.

Bettendorf Axle Company, 325 West Second street, Davenport, Iowa. Factory also at Bettendorf, Iowa. Branches at Minneapolis, Minn.; Wichita, Kan.; Des Moines and Fort Dodge, Iowa; Bloomington, Ill.; Fargo, N. D.; Sioux Falls, S. D.; Kansas City, Mo.; Omaha, Neb., and Madison, Wis. Steel gear farm and teaming wagons, farm and gasoline engine trucks, complete steel cars and underframes, bolsters, trucks and metal wheels. Cable address, "Axle," Davenport. Code, Western Union.

Bettendorf Metal Wheel Company, Davenport, Iowa, and Springfield, Ohio. Metal wheels for agricultural implements, wagons, etc. Cable address, "Metalwheel," Davenport or Springfield. Code, Western Union.

Betts Machine Company, Wilmington, Del. Machine tools: vertical boring and turning mills; horizontal boring and drilling machines; planing machines and slotting machines. Foreign agents: De Fries & Co., Berlin, Düsseldorf and Vienna; Chas. Churchill & Co., London. Cable address, "Betwildel," Wilmington. Code, Lieber's.

Frank S. Betz Company, 35 Randolph street, Chicago, Ill. Works at 1760 East Ravenswood Park, Chicago. Static machines; electrical appliances and supplies for hospitals and physicians. Cable address, "Fsbetz," Chicago. Code, A B C.

Bibb Manufacturing Company, Macon, Ga. Also at Porterdale and Columbus, Ga. Warps, yarns for white and colored hosiery from upland cotton; combed yarns up to No. 120 of combed Sea Island and Egyptian cotton for weaving hosiery and mercerizing; sewing threads for manufacturers. Seine twines and cordage for fishermen, all grades of wrapping twines, etc.

The Bickford Drill and Tool Company, Front and Pike streets, Cincinnati, Ohio. Radial drills, drilling machinery, multiple drills and machine tools. Foreign agents: Schuchardt & Schütte, Berlin, Vienna, Cologne, Stockholm, St. Petersburg, Brussels, Paris, Liège, Milan and Bilbao; Charles Churchill & Co., Ltd., London, Birmingham, Manchester, Newcastle-on-Tyne and Glasgow; F. W. Horne, Yokohama; H. W. Petrie, Toronto; Williams & Wilson, Montreal. Cable address, "Bickford," Cincinnati. Code, Lieber's.

The Bickford & Francis Belting Company, 53 Exchange street, Buffalo, N. Y. Leather belting. Jobbers of rubber belting and packing.

Julius Bien & Co., 140 Sixth avenue, New York. Charts, geographic and geologic maps; chromo-photolithographic productions, scientific illustrations and commercial lithography in all its branches; finest color printing. Cable address, "Bien," New York.

The Bigelow Company, New Haven, Conn. New York office, 85 Liberty street. Boilers, tanks, plate iron and sheet iron work; slaughter house machinery and special heavy machinery. Cable address, "Bigelow," New Haven. Codes, Western Union and Atlantic Directory.

S. O. Bigney Company, Attleboro, Mass. New York office, 3 Maiden Lane. High grade gold filled vest chains, lorgnettes, fobs, lockets, seals, bracelets, etc.

Billings Clapp Company, 178 Freeport street, Boston, Mass. Factory, Dorchester, Mass. Medicinal chemicals, tablets, capsules, fluid extracts and specialties. Cable address, "Billings," Boston. Codes, Western Union and A B C.

The Billings & Spencer Company, Russ and Lawrence streets, Hartford, Conn. Iron, steel and copper drop forgings; automobile forgings and steering connections; machinists' tools, automobile and adjustable wrenches, copper commutator bars, drop hammers, presses and forges. Foreign agents: American Importing Company, London; Fenwick Frères & Co., Paris. Cable address, "Billings," Hartford. Codes, Lieber's, A B C Fourth and Fifth editions, Western Union and Directory.

Bingham & Taylor, 218 Ellicott square, Buffalo, N. Y. Railroad and general castings, stop cock and valve boxes for water and gas companies.

Binghamton Chair Company, Montgomery street, Binghamton, N. Y. Morris chairs.

Binghamton Whip Company, 72-76 Sherman place, Binghamton, N. Y. Whips, whip racks, etc. Cable address, "Whips," Binghamton. Codes, Lieber's, A B C and Western Union.

Binner-Wells Company, 309-311 Michigan avenue, Chicago, Ill. Engraving and printing.

Binney & Smith Company, 81-83 Fulton street, New York. Factories at Easton, Pa., and Boonton, N. J. Carbon and lamp blacks, ivory drop and bone blacks, marking and stenciling ink, school crayons and slate pencils, marking and checking crayons, metal workers' crayons. Miners and manufacturers of talc. Jobbers of arsenic chemicals and colors and marine glue. Foreign offices: 63 Farringdon street, London, E. C.; 57 Neuerwall, Hamburg; 15 rue Elzévir, Paris. Cable address, "Epilogue," New York. Codes, Lieber's, Standard, A B C Fourth edition, Cosmopolitan and Western Union.

F. W. Bird & Son, East Walpole, Mass., 120 Liberty street, New York, and 1434 Monadnock building, Chicago. Paroid ready roofing, Neponset red rope roofing, Neponset and Laminoid insulating papers, Ko-sat insulating paper, Florian non-inflammable deadening felt, special paper boxes and special papers; waterproof papers a specialty. Cable address, "Waterproof," Boston.

Birdsell Manufacturing Company, South Bend, Ind. Farm and freight wagons; clover and alfalfa hullers; wind stackers and automatic feeders.

Birdsey & Somers, 349 Broadway, New York. Factory, Bridgeport, Conn. Corsets. Cable address, "Sremos."

Birmingham Iron Foundry, Derby, Conn. Rubber working machinery, rolling mill machinery, agricultural implement makers' machinery and chilled rolls. Cable address, "Bifoundry," Derby. Codes, Lieber's and Western Union.

Birmingham Machine and Foundry Company, Birmingham, Ala. New York office, 120 Liberty street; Geo. P. Anderton, export agent. Heavy machinery and high grade castings; specialties: sugar machinery, blowing engines, compressors and heavy duty Corliss engines. Cable address, "Boland," Birmingham, Ala. Code, Western Union.

Bishop & Babcock Company, Kirtland and Hamilton streets, Cleveland, Ohio. New York office, 47 Great Jones street. Branches in Chicago, St. Paul and Milwaukee. Hydraulic air compressors for drawing beer,

beer faucets, hand air pumps, beer bottling machines, carbonators, etc. Foreign agents: August Meyer, Basel; L. Lumly & Co., London. Cable address, "Babcock," Cleveland.

George H. Bishop & Co., Lawrenceburg, Ind. Saws: pond and wagon ice saws; turning and felloe webs; one-man, scroll and narrow cut saws; hand panel and rip saws, all kinds; miter box and back saws; stair builders' saws; compass, key-hole, pruning, butchers', beef splitting, dehorning, kitchen and buck saws; plastering trowels, cabinet scrapers; hedge, corn and cane knives; tobacco spuds, mincing knives, family cleavers; saw handles. Foreign agents: John George & Sons, 18 Great Alie street, London.

The Geo. W. Blabon Company, 34 North Fifth street, Philadelphia, Pa., and 41 Union Square, New York. Factory, Nicetown, Philadelphia. Manufacturers of floor and table oil cloth, linoleum, inlaid linoleum and linseed oil. Cable address, "Blabon," Philadelphia.

Blackmer & Post Pipe Company, Equitable building, St. Louis, Mo. Standard vitrified pipe; double strength vitrified pipe; vitrified drain tile and vitrified wall coping. Foreign agents: Purdy & Henderson, Havana. Cable address, "Blackmer," St. Louis. Code, Western Union.

The Blackstone Manufacturing Company, Jamestown, N. Y. Washing machines; hand rotary and lever washing machines—known as the Blackstone rotary washer and the Pan-American washer.

J. C. Blair Company, Huntingdon, Pa. Tablets, writing and pencil paper, papeteries, envelopes, writing inks, die stamped stationery, blank books, blank and special forms, and paper ruling. Jobbers of steel pens, lead pencils and stationers' specialties.

P. Blaisdell & Co., 62 Jackson street, Worcester, Mass. Machine tools: engine lathes, 13 in. to 31 in. swing; speed lathes, 10 in. to 20 in. swing; pattern makers' lathes, 15 in. to 20 in. swing; upright drills, 20 in. to 50 in. swing; crank planer, planes 18 in. wide and has a 15 in. stroke. Foreign agents: C. W. Burton, Griffiths & Co., London; H. W. Peabody & Co., New York, for France and Australia; Sonesson & Co., Malmö, Sweden; De Fries & Co., Düsseldorf; Wassidlo & Co., St. Petersburg; Spliethoff, Becawkes & Co., Rotterdam. Cable address, "Blaisdell," Worcester. Codes, Western Union, Lieber's and private.

Blake & Johnson, 125 East Main street, Waterbury, Conn. Piano and organ hardware; special screws, rivets, pins and studs; escutcheon pins and hair pins; bicycle machinery, edging lathes, emery grinders, eyelet machines, furniture nail machines, spinning and trimming lathes, wire nail machines, power presses of all kinds, foot presses, sub-presses, rivet machines, rolling mills, chilled iron rolls, cast steel rolls, flat wire rolling mills, wire reel stands, slitting machines, spring coiling machines, thread rolling machines and wire forming machines. Cable address, "Blakejohn," Waterbury. Codes, Western Union and private.

Blanchard Brother & Lane, 20 Bruen street, Newark, N. J. Patent and enamel leather for carriage top, bow and dash leather, colored morocco finish for upholsterers, vamp and tipping for shoe purposes, skirting winker and collar for saddlery. Cable address, "Blanchards," Newark. Code, Widebrook's.

R. Blankenburg & Co., 617 Chestnut street, Philadelphia, Pa. Cotton and wool comforts, down quilts, cushions, bed pillows. Converters of cotton printed draperies, satines, silkalines, etc. Cable address, "Blankeburg," Philadelphia. Codes, Lieber's and A B C.

Bless & Drake, 173 New Jersey Railroad avenue, Newark, N. J. Potts cold-handle sad-irons, common sad-irons, self-heating charcoal irons—heated by charcoal inside—, tailors' self-heating charcoal irons and polish-

ing irons of all kinds. Foreign agents: Arkell & Douglass, Sydney, Melbourne, Port Elizabeth and Cape Town. Cable address, "Blessdrake," Newark. Code, A B C.

Bliss & Van Auken, Saginaw, Mich. Maple lumber and flooring; salt; roller bearings for wagons; gas and gasoline engines; wind mills, tanks and cisterns. Cable address, "Uppers," Saginaw.

The George Blome & Son Company, 617 West Baltimore street, Baltimore, Md. Confectionery: penny goods, stick candy, cheap French mixtures, fine chocolates and bonbons, marshmallow work and A B gum work, dragée work, cream bonbons, lozenges and Easter novelties. Cable address, "Giltedge," Baltimore.

Bloomington Canning Company, Bloomington, Ill. Other factories at Chenoa and LeRoy, Ill. Canned vegetables: principal product, sugar corn in two-pound cans. Also fancy canned beans, hominy (hulled corn), pumpkin and kraut. Sell only to wholesale grocers.

The Blue Ridge Marble Company, Nelson, Ga. Marble in the block or sawed to size, marble monuments, and marble for interior or exterior of buildings.

The Blymyer Iron Works Company, 2933 Spring Grove avenue, Cincinnati, Ohio. Sugar machinery—cane mills, defecators, evaporators, vacuum pans, centrifugals, sugar wagons; coffee machinery—hullers, pulpers, washers, elevators; rice machinery—hullers, polishers, graders, elevators; fruit evaporators, corn mills, bells for church, school or fire alarm; water wheels (wooden and all iron), horse-powers, speed jacks, engines, boilers, pumps, shafting, pulleys, etc. Agents throughout all the principal trade centers in Central and South America and Mexico, the West Indies and in the Far East. Cable address, "Bahmann," Cincinnati. Codes, A B C Fourth edition and Lieber's.

Bodley Wagon Company, Memphis, Tenn. Branch office at New Orleans, La. Farm, cane, machinery and log wagons; farm, cane, log and contractors' carts; dump cars, log wheels, wheelbarrows, cane carrier feeders, cane slings, horse powers, derricks for handling sugar cane. Foreign agents: Honolulu Iron Works, Honolulu; Knight & Wall Co., Havana; Phoenix Foundry Co., London; Sandback Parker & Co., Georgetown, British Guiana. Cable address, "Bodley," Memphis.

Boland & Gschwind Company, Ltd., St. Thomas and Chippewa streets, New Orleans, La. Centrifugal pumps, rice machinery, sugar machinery specialties, such as cane carriers, chain, etc. Dealers in engines, boilers, shafting, pulleys, talc, etc. Cable address, "Bolandco." Code, A B C.

The Charles Boldt Glass Company, Cincinnati, Ohio. Factories at Cincinnati, Ohio, and Muncie, Ind. Bottles, bottle caps, shipping cases, bottle labels and bottlers' supplies, corrugated paper packing. Jobbers of bottlers' sundries. Cable address, "Boldt," Cincinnati. Code, Western Union.

The Bon Air Coal and Iron Company, Nashville, Tenn. Furnaces at Allen's Creek and coal mines at Bon Air, Ravenscroft and Eastland, Tenn. Miners of coal and manufacturers of coke and pig iron.

Charles Bond, 520 Arch street, Philadelphia, Pa. Adjustable shaft hangers, post hangers, pillow blocks, wall brackets, and general power transmission supplies; pure oak tanned leather belting; ideal system of water filtration. Jobbers of power transmission machinery; textile, engineer, mill and mine supplies. Cable address, "Bond," Philadelphia. Code, Western Union.

Bonnet-Nance Stove Company, Chicago Heights, Ill. .Cook stoves, cast iron and steel ranges, base burners, wood and coal heaters of all kinds. Cable address, "Bonnance," Chicago Heights.

The Bonnot Company, Canton, Ohio. Brick machines, cutting tables, dry and wet pans, clay mixers, screens; Portland cement machinery, rotary kilns, tube mills, ball mills, crushers and crushing rolls, mixing cylinders, dryers, and clinker coolers; elevators and conveyors. Cable address, "Bonnoco," Canton. Code, Western Union.

Boomer & Boschert Press Company, 329 West Water street, Syracuse, N. Y. New York office, 209 Greenwich street. Knuckle joint, power screw and hydraulic presses for cotton, woolen and paper mills, packing houses, lard and tallow oils, stearic acid, leather and leather belting, veneers; vulcanizing presses for rubber works, mica insulators, fiber, celluloid, compositions, etc. Cable address, "Pressco," Syracuse. Code, Lieber's.

The Booth Kelly Lumber Company, Eugene, Lane county, Ore. Mills at Springfield, Saginaw, Coburg and Wendling, Ore. Lumber and lath.

Boott Cotton Mills, 53 State street, Boston, Mass. Mills at Lowell, Mass. Gray cotton cloth, coarse and fine; union towels, linen homespuns. Selling agents: Smith, Hogg & Co., New York and Boston.

Borden's Condensed Milk Company, 108 Hudson street, New York. 26 factories in New York State, New Hampshire, Maine, Connecticut, Illinois and Wisconsin. Borden's "Eagle" brand condensed milk, "Peerless" brand evaporated cream, "Eagle" brand condensed coffee and malted milk. Cable address, "Condensed," New York. Codes, A B C Fourth edition, Western Union, Lieber's, Manufacturers' Export and Premier.

Cyrus Borgner Company, Twenty-third street above Race street, Philadelphia, Pa. Fire brick, clay retorts and fire clay. Cable address, "Borgner," Philadelphia. Code, A 1.

The Bossert Electric Construction Company, 24 Capital avenue, Utica, N. Y. Drawn steel conduit boxes; tablet boards and cabinets; conduit bushings; switch boards, knife switches. Cable address, "Bossert," Utica. Code, Western Union.

Louis Bossert & Son, Grand street and Newtown Creek, Brooklyn, N. Y. Sash, blinds, doors and interior house trim; lumber, timber, flooring, shingles, siding, joists, hemlock and yellow pine timber; packing boxes and shooks.

Boston Belting Company, 256 Devonshire street, Boston, Mass. New York office, 100-102 Reade street. Rubber belting; rubber hose for water, steam, gas and air suction purposes, pneumatic tools, and fire protection; cotton hose rubber lined and linen hose; sheet-rubber packing, either pure or with cloth or wire insertion; round, square and spiral piston and valve rod packing; gaskets, valves, tubing, deckle straps, rubber-covered metal rollers, rubber springs, rubber mats, matting and treads; rubber goods of every description for manufacturing and mechanical purposes. Foreign agents: White, Child & Beney, Ltd., London; F. von Inten, Berlin; Keyser & Co., Zurich; Rotherham, Wood & Co., Melbourne. Cable address, "Belting," Boston. Codes, Lieber's, Western Union and private.

Boston Bridge Works, Inc., 47 Winter street, Boston, Mass. Works at Cambridge, Mass. Steel railway and highway bridges, railroad turntables, steel frame work for buildings, roof trusses, built girders and structural steel work of all descriptions. Cable address, "Bosbridge," Boston. Codes, Western Union, A B C and Lieber's.

Boston and Lockport Block Company, 160 Commercial street, Boston, Mass. Works at East Boston, Mass., and Lockport, N. Y. Full line of wood and metal tackle blocks; non-chokable pumps with rubber diaphragm; warehouse and store trucks; wood faucets, with metal keys; iron wagon jacks and "Giant" car pushers. Cable address, "Blocks," Boston. Code, Western Union.

Botany Worsted Mills, Passaic, N. J. All-wool dress goods, goods for men's wear and fine worsted yarns.

Bousfield Wooden Ware Co., Minneapolis, Minn. Tubs, pails and packages of wood for lard, syrup, candy, jelly, pickles, mince meat, pigs' feet, etc., all of wood and in stave form turned.

Bousfield & Co., Harrison street, Bay City, Mich. Wooden tubs and pails.

S. F. Bowser & Co., Inc., East Creighton avenue and Thomas street, Fort Wayne, Ind. Self-measuring oil cabinets for retail use; adjustable measure oil cabinets for handling lubricating oils in mills, shops and engine rooms; gasoline storage outfits; self-measuring oil cabinets for paints, oils, varnishes and other non-lubricants; druggists' graduate cabinets; general oil house equipment. Cable address, "Bowtank," Fort Wayne. Code, Western Union.

John Boyle Company, Wolf and Thames streets, Baltimore, Md. Canned goods, preserves; canned goods boxes and tin cans. Cable address, "Elyob," Baltimore. Code, A B C Fifth edition.

Boyts, Porter & Co., Connellsville, Pa. "Yough" steam and electric pumps for coal mines, furnaces and railroad stations; special boiler feeders; tank, heavy and light pressure, hydraulic, compound, circulating and vertical deep well pumps, and every variety of pumping machinery, in piston and plunger pattern. Jobbers of general steam and mine supplies. Cable address, "Youghpump."

The Bradford Belting Company, 201 Walnut street, Cincinnati, Ohio. Leather belting; "Monarch" wood split pulleys. Cable address, "Bradford," Cincinnati. Code, Western Union.

Bradford Brewing Company, 10 Fourth street, Bradford, Pa. Beer.

H. E. Bradford & Co., Bennington, Vt. Knit underwear.

David Bradley Manufacturing Company, Bradley, Ill. Chicago office, 63 North Desplaines street. Agricultural implements, plows, planters and cultivators; walking plows, one furrow sulky plows, two and three furrow gang plows; single, double, triple and quadruple disk plows; middlebreakers; listing plows; horse and steam power hay presses; walking and riding cultivators; disk, five-tooth and fourteen-tooth cultivators; lever and disk harrows; one, two, three and four row cotton and corn planters and drills; stalk cutters; single and double shovel plows; hand carts; spring clevises; special implements to order. Cable address, "Yeldarb," Bradley. Codes, A B C Fourth and Fifth editions, A 1, Lieber's and private.

C. C. Bradley & Son, Inc., 432 North Franklin street, Syracuse, N. Y. Power hammers, forges and carriage hardware. Foreign agents: Buck & Hickman, London; Schuchardt & Schütte, Berlin, Cologne, Stockholm, St. Petersburg, Vienna, Paris, Brussels and Milan. Cable address, "Bradley," Syracuse. Codes, Lieber's and A B C Fourth edition.

Osgood Bradley & Sons, 18 Grafton street, Worcester, Mass. Steam and electric cars of every description. Jobbers of all kinds of articles for car construction.

Bradley & Metcalf Company, 207-215 East Water street, Milwaukee, Wis. Boots and shoes. Jobbers of rubber boots and shoes.

Bradley-Ramsay Lumber Company, Lake Charles, La. Long leaf yellow pine lumber. Cable address, "Timberman," Lake Charles, La. Code, Lieber's.

The Brainerd & Armstrong Company, New London, Conn. Sewing silks, embroidery silks, trams and flosses, and silk fabrics for the clothing and dry goods trade.

H. F. Brammer Manufacturing Company, Davenport, Iowa. Washing machines. Cable address, "Oicok," Davenport, Iowa. Code, Western Union.

Branch Saw Company, 817 North Second street, St. Louis, Mo. Saws, planing machine knives and lumbering tools. Jobbers of files, emery wheels, babbitt metal, lace leather, and general saw mill supplies.

Brandon Mills, Greenville, S. C. New York office: Woodward, Baldwin & Co., 43-45 Worth street. Cotton piece goods: converters' cloths, bag goods, sateens—both warp and filling; four-yard sheetings for export trade a specialty. All in the brown.

Brandt Cashier Company, Monadnock building, Chicago, Ill. Automatic change-making machines for use in making pay rolls and wherever money is handled; all-metal wall calendars, good forever; metal key tags.

Brass Goods Manufacturing Company, Union and Nevins streets, Brooklyn, N. Y. Hardware and special sheet metal goods: builders' hardware, hinges, butts, door pulls, door knobs and escutcheons, push plates, cupboard catches and turns, barrel and ship bolts, chain door fasteners, drawer pulls, furniture handles and coat and hat hooks; refrigerator hardware, hinges, latches, levers and locks; trunk and box trimmings, hinges, catches, hasps, corners and box pulls; candy tongs, stamped bronze and brass hardware, and special goods made to order.

Brecht B. S. Co. (established 1853), Twelfth street and Cass avenue, St. Louis, Mo. New York office, 102 Pearl street. Denver office, 1538 Wynkoop street. Abattoir and packing house machinery and appliances; sausage casings and sausage stuffers; lard refining machinery, meat cutters, friction hoists, tin lard pails, meat mixers; refrigerators; overhead steel tracking, overhead switches, steel track rollers; hydraulic lard and oil presses, fertilizer dryers, oleo plants. Foreign branches in Hamburg and Buenos Ayres. Cable address, "Brecht," St. Louis. Codes, A B C Fourth edition, Staudt-Hundius, Lieber's and Leviathan.

Charles W. Breneman & Co., 2045 Reading road, Cincinnati, Ohio. Window shade cloth. Jobbers of shade fixtures.

John Brennan & Co., Inc., Twenty-fourth street and M. C. R. R., Detroit, Mich. Steam boilers: agricultural, locomotive, marine and oil country boilers; tanks, etc. Cable address, "Brennan," Detroit. Code, Western Union.

Brennan & White, 54 Classon avenue, Brooklyn, N. Y. Boys', youths', little gents', misses' and children's shoes in the best grades only, in all the different kinds of black and colored leathers. Foreign agents: Bolton Shoe Co., London. Cable address, "Brenwhite," Brooklyn. Code, Western Union.

Bridge & Beach Manufacturing Company, 501 South First street, St. Louis, Mo. Stoves and ranges for coal and wood. Cable address, "Bridge," St. Louis.

Bridgeport Brass Company, 19 Murray street, New York. Mills at Bridgeport, Conn. Sheet brass, copper and German silver; brass, copper and German silver wire and rods; seamless brass and copper tubing; brazed brass and copper tubing; bronze tubing; "Phono-electric" wire,

bare and insulated; bicycle pumps and lamps, brass hand and stand lamps; "Crown" brand copper rivets and burrs. Articles in brass and copper. Cable address, "Brassport," New York. Code, Lieber's.

The Bridgeport Chain Company, Bridgeport, Conn. New York representatives: Wiebusch & Hilger, Ltd., 9-15 Murray street. Weldless steel wire chain, made into halters, cow ties, tie-outs, dog leads, kennels, or cut to lengths; weldless wire chain made from brass, bronze or aluminum; bronze and steel sash chain, and brass plumbers' chain. Jobbers of welded iron chain.

The Bridgeport Crucible Company, Bridgeport, Conn. Crucibles, "Climax" furnace clay, "Champion" stove clay, covers. Foreign agents: New York Export and Import Company, New York; R. A. Hervey, Sydney. Cable address, "Crucible," Bridgeport. Code, A B C Fourth edition.

The Bridgeport Malleable Iron Company, Bridgeport, Conn. Malleable and gray iron castings to order only.

The Bridgeport Safety Emery Wheel Company, Bridgeport, Conn. Emery and corundum wheels, carbo-alumina wheels, wet tool grinders, automatic knife grinders; dry, face, edge and surface grinders; cup wheel and swing frame grinders; motor driven grinding machinery, and other special grinding, polishing and buffing machinery. Cable address, "Safety," Bridgeport. Code, Western Union.

The Bridgeport Wood Finishing Company, New Milford, Conn. New York office, 55 Fulton street. Wheeler patent wood filler, Breinig's lithogen silicate paint, Breinig's white lead, silex, wood dyes or stains, japans, driers, varnishes, etc. Foreign agents: Pfeil, Stedall & Son, London; Gedge & Co., London; M. A. & W. A. Pye Tonge, Bolton, England; Oliver Pragnell & Co., Bristol; Smith & Rodger, Glasgow; H. G. Aikema & Co., Rotterdam; K. A. Karlson, Stockholm; Walsoe & Hagen, Hamburg; K. A. Karlson, Berlin, S. W., 48, Wilhelmstrasse 130; Dr. Philipp Hirsch, Pankow, Berlin. Cable address, "Breinig," New York. Code, A B C.

The Brier Hill Iron and Coal Company, Youngstown, Ohio. Pig iron, Brier Hill "Puzzolan" cement. Cable address, "Butler," Youngstown. Code, Lieber's.

The D. F. Briggs Company. Factory and main office, Attleboro, Mass. New York office, 180 Broadway; Chicago office, 103 State street. Gold filled watch chains; gold filled finger rings, plain and engraved; gold filled and sterling silver chain bracelets, and gold filled and sterling silver "Carmen" expansion bracelets, patented. Foreign agents: Keegan & Rosencrantz, Shanghai, Singapore, Yokohama and Siam. Cable address, "Bricar," Attleboro. Codes, A B C Fourth edition, Lieber's and Western Union.

Briggs & Cooper Company, Limited, 611-612 Bearinger building, Saginaw, Mich. Hardwood lumber of all sorts: cypress, hickory, maple, satin walnut, cedar, red and white oak, soft and rock elm, red gum, birch, red birch, basswood, cherry, beech, chestnut, poplar, cottonwood. Also maple flooring and white pine and white cedar shingles. Cable address, "Cooper," Saginaw. Codes, Western Union and Telecode.

J. G. Brill Company, Philadelphia, Pa. City and interurban cars and trucks; steam passenger trucks; convertible and semi-convertible cars; electric locomotives, snow plows, sweepers, etc.; supplies for electric rolling stock; locomotive and car springs; solid forged truck side frames. Foreign branch in London, 110 Cannon street. Foreign agents: Noyes Bros., Sydney, Melbourne, Adelaide and Dunedin. Cable addresses, "Brill," Philadelphia; "Axles," London. Codes, A B C and Lieber's.

Brinly-Hardy Company, Inc., 348 East Main street, Louisville, Ky. Plows and corn shellers: walking, breaking, subsoil, ditching and garden plows; hand cultivators; road, railroad and grading plows; reversible and hillside plows; middle breaker plows; hand corn shellers. Jobbers of spike tooth and disk harrows, walking and riding cultivators, grain drills, corn drills, feed mills, feed and ensilage cutters, farm wagons, vehicles, land rollers, garden tools. Cable address, "Brinly," Louisville. Codes, Western Union and private.

H. Brinton & Co., 213 Race street, Philadelphia, Pa. Seamless and ribbed knitting machinery for the manufacture of all grades and varieties of hosiery; circular ribbed knitting machinery for all grades and weights of ribbed and knitted underwear; complete equipment for hosiery and underwear mills. Foreign agents: Wildt & Co., Leicester, England. Cable address, "Brinton," Philadelphia. Codes, A B C and Western Union.

The Bristol Manufacturing Company, Bristol, Conn. New York office, 43 Leonard street. Works at Bristol and Plainville, Conn. Knit underwear.

The John S. Brittain Dry Goods Company, St. Joseph, Mo. Shirts, pants, overalls and duck clothing. Jobbers of dry goods, notions and furnishing goods.

Wm. Broadhead & Sons, Jamestown, N. Y. Worsted and woolen dress goods.

The Broadway Manufacturing Company, Leavenworth, Kan. Sash, doors and blinds.

Broderick & Bascom Rope Company, 805 North Main street, St. Louis, Mo. New York office, 33 South street. Wire rope of all descriptions; strands, wire cords, etc.; wire rope for cableways, coal and metal mines, and for hoisting, haulage, etc.; wire rope tramways. Jobbers of manila rope, tackle blocks, lath yarns, hide ropes, jute and hemp packing, oakum, waste, cordage, etc. Foreign agents: Ingersoll-Sergeant Drill Co., Mexico City. Cable address, "Broderick," St. Louis. Code, A B C.

John Bromley & Sons, Lehigh avenue, below Front street, Philadelphia, Pa. New York agents: J. R. Shoaff & Co., 935 Broadway. Smyrna rugs and carpets, lace curtains, chenille and tapestry curtains and covers; tapestry piece goods. Cable address, "Bromley," Philadelphia. Code, A 1.

Joseph H. Bromley, Lehigh avenue and Lawrence street, Philadelphia, Pa. Lace curtains, bed-sets, panels, sash curtains. Cable address, "Lehigh," Philadelphia. Code, A 1.

Brookside Mills, Knoxville, Tenn. Cotton brown sheetings, duck, drills and specialties. Wellington, Sears & Co., 202 Devonshire street, Boston, Mass., and 60 Worth street, New York, selling agents for foreign trade.

Broomell, Schmidt & Steacy Company, York, Pa. "American" fuel economizers, "American" water tube boilers; induced draft fans, char kilns and driers, Keystone lime kilns; gas producers, boilers, stacks and tanks. Cable address, "Broomell," York.

The A. & F. Brown Company, 25 Dey street, New York. Works at Elizabethport, N. J. Power transmission machinery, shafting, hangers, pulleys, friction clutch pulleys, friction clutch couplings, machine moulded and cut gearing, complete rope transmission outfits; complete crushing and pulverizing outfits, flour mill machinery; flour, feed, paint and drug mills; high tensile strength iron castings. Cable address, "Tribrow," New York. Code, Lieber's.

The E. C. Brown Company, Rochester, N. Y. Spraying pumps for insecticides and fungicides; atomizers and painting machines for spraying paint and whitewash. Cable address, "Autospray," New York. Code, Western Union.

Brown Corliss Engine Company, Corliss, Wis. Corliss engines for rolling mill and mining purposes, etc.

The Brown Hoisting Machinery Company, Hamilton and Belden streets, Cleveland, Ohio. New York office, 26 Cortlandt street. Western branch in Pittsburg. Cranes and lifting machinery of every description, operated by steam, electricity, compressed air, hand or other power; blast furnace hoists, ore handling machinery, coal handling machinery, cable conveyors, overhead tramrail and trolley equipment; Ferroinclave fireproof material for buildings. Foreign branch in London, 39 Victoria street. Cable address, "Brownhoist," Cleveland, New York or London. Codes, Lieber's, A 1, A B C, Directory and Engineering Telegraph.

Brown Knitting Company, Second street and Allegheny avenue, Philadelphia, Pa. New York office, 72 Leonard street. Full fashioned hosiery, plain, lace and ribbed.

Brown Manufacturing Company, 802 North Seventh street, Zanesville, Ohio. Farm wagons, cultivators, harrows, shovel plows, post hole diggers, steel shapes, etc. Cable address, "Brozane," Zanesville, Ohio. Code, Western Union.

Brown Mining Company, Rockwood, Tenn. Mines at Cardiff, Tenn. Mining and shipping iron ore.

L. L. Brown Paper Company, Adams, Mass. Linen ledger and record papers for blank books, county and state records, etc.; bond, bank note and parchment papers for policies, deeds, etc.; all linen typewriter papers for typewriting, correspondence and commercial purposes; genuine hand made papers for water colors, drawings and fine "de luxe" editions.

Brown & Bailey Company, 410 Franklin street, Philadelphia, Pa. Folding paper boxes, made ready for use, printed if desired, and shipped flat like paper; boxes made to order for special purposes.

Brown & Bigelow, Brown & Bigelow building, St. Paul, Minn. New York office, 57 West One Hundred and Twelfth street. Art calendars, cloth and leather specialties, copper plate and steel die embossing and engraving. Export agent: A. H. Merriam, 132 Pearl street, New York.

Brown-Ketcham Iron Works, 2549 West Michigan street, Indianapolis, Ind. Branch at Greensburg, Pa. Agencies: 1133 Broadway, St. James building, New York; 166 Devonshire street, Master Builders' Association, Boston; 1211 Monadnock building, Chicago; 502 Empire building, Atlanta, Ga.; 604 Odd Fellows' building, St. Louis; Pier 6, foot of University street, Seattle; 29 New Montgomery street, San Francisco. "Sky Scraper" buildings, all structural steel; ornamental iron and bronze work of every description.

Brown & Sharpe Manufacturing Company, Providence, R. I. Branch offices: 136 Liberty street, New York; 16-18 South Clinton street, Chicago; 444 The Bourse, Philadelphia. Machinery: milling, grinding and screw machines; vertical and horizontal chucking machines, gear-cutting machines; hand lathes; reels and scales for roving and yarn; cutters for gear wheels, taps, reamers, twist drills, sewing machine and gun parts; milling and screw-slotting cutters, surface plates, micrometer calipers, standard gauges and machinists' tools. Foreign agents: Buck & Hickman, London; Charles Churchill & Co., Ltd., London; Fenwick Frères & Co., Paris; Schuchardt & Schütte, Berlin; F. W. Horne, Yo-

kohama; F. G. Kretschmer, Berlin. Cable address, "Sharpe," Providence. Codes, A B C, Atlantic Directory, Lieber's, Western Union and private.

The Brownell Company, 1 Findlay street, Dayton, Ohio. Steam engines, plain and automatic; steam boilers; feed water heaters; flanged boiler heads; pressed steel boiler lugs. Jobbers of steam pumps. Export agents: New York Export and Import Co., New York, for India, Japan, China and Philippine Islands; San Antonio Machine and Supply Co., San Antonio, Texas, for Mexico.

C. H. Brownell, Peru, Ind. Telephone booths.

Brownville Board Company, Brownville, N. Y. Manila tag and folding box board.

Brox & Ryall (The Orange County Flint Glass Works), Port Jervis, N. Y. Lamps, lantern globes, vault lights and specialties.

The Brunswick-Balke-Collender Company, 227 Fourth avenue, New York; 263 Wabash avenue, Chicago, Ill.; branches in thirty-one of the principal cities of the United States. Billiard and pool tables and supplies, bowling alleys and supplies, bar fixtures and cabinet work, Wicke's patent tile-lined refrigerators and cooling rooms. Foreign branches in Paris, Hamburg, Mexico City, Montreal and Toronto. Cable address, "Brunswick," New York. Code, A B C.

Bryant Paper Company, Kalamazoo, Mich. Paper: bond, writing, envelope, colored flats, high grade book, lithograph, map, colored specialties.

Bryden Horse Shoe Company, Catasauqua, Pa. Iron and steel horse and mule shoes; horse shoes with heel and toe calks; "Colonial" pattern horse shoes for Australia and South Africa markets; "Goodenough" horse shoes; toe and side weight shoes; steel racing, training and trotting plates, plain or with toe calks; steel rimmed aluminum racing plates. Foreign representatives: Coumbe & Co., 133 Fenchurch street, London; New York Export & Import Co., Cape Town; A. Asher Smith, Sydney. Cable address, "Brydenshoe." Code, Lieber's.

Brylgon Steel Casting Company, New Castle, Del. All kinds of steel castings for machinery and other purposes. Specialties: gear blanks; low-carbon-manganese steel for electrical purposes ("Magnet Metal") and special high-carbon-manganese steel. Cable address, "Brydrew," Philadelphia. Code, A B C.

A. Buch's Sons Company, Elizabethtown, Pa. Export office, B 17-21 Produce Exchange, New York. Distributing branches in Columbus, Ohio; Indianapolis, Ind.; Decatur, Ill.; Lansing, Mich.; Milwaukee, Wis.; Rochester, N. Y.; Springfield, Mass., and Louisville, Ky. "Eagle" steel lawn swings, wood and steel land rollers, corn shellers, wheelbarrows, feed cutters, root cutters, corn markers, wood saws, wagon jacks, bag trucks, mangers, furnaces, tanks, cellar grates, stall guards, iron kettles, hay racks; cast and steel poultry, hog and stock troughs of all kinds. Cable address, "Buchroll," New York. Codes, A B C Fourth edition, Western Union and Lieber's.

The Buck's Stove and Range Company, St. Louis, Mo. Steel ranges, all cast ranges, cast cooking stoves and heaters for all fuels except gas. Cable address, "Buckstove," St. Louis.

Buckeye Engine Company, 29 Franklin avenue, Salem, Ohio. New York office, 39-41 Cortlandt street. Buckeye automatic stationary steam engines for all purposes, simple, horizontal and vertical, tandem and cross compound, 20 to 8,000 horse-power; capacity, 80,000 horse-power per annum. Cable address, "Buckeye," Salem. Codes, Western Union, Lieber's, A B C Fourth edition and private.

Buckeye Iron and Brass Works, Dayton, Ohio. Linseed and cotton-seed oil machinery; tobacco cutting machinery; brass goods for engine builders, gas and steam fitters. Cable address, "Buckeye," Dayton. Codes, A B C Fifth edition and Western Union.

The Buckeye Steel Castings Company, Columbus, Ohio. New York office: L. M. Slack, Holland House. Steel and malleable iron coup'ers and castings; couplers and draft riggings. Foreign agents: W. S. Laycock, Ltd., Sheffield. Cable address, "Goodspeed," Columbus. Code, A B C.

Buckingham & Hecht, 221 Bush street, San Francisco, Cal. Manufacturers and jobbers of men's and women's boots and shoes. Also jobbers of rubber boots and shoes. Cable address, "Buckhecht," San Francisco. Code, Western Union.

Buckwalter Stove Company, Royersford, Pa. Stoves, ranges, heaters and hot air furnaces.

The Bucyrus Company, South Milwaukee, Wis. Steam shovels, dipper dredges of all sizes, hydraulic and elevator dredges, centrifugal dredging pumps, placer dredges of the elevator type; railroad wrecking cranes and pile drivers. Foreign agents: Knox, Schlapp & Co., Melbourne; the Poutilow Works Company, St. Petersburg; Aktiebolaget Göteborgs Maskinaffar, Gothenburg, Sweden. Cable address, "Bucyrus," South Milwaukee. Codes, Western Union, Bedford McNeil's, Lieber's and A 1.

Buffalo Cement Company, Ltd., 110 Franklin street, Buffalo, N. Y. Portland cement and natural hydraulic cement; crushed stone and building stone, Buffalo Portland cement, ground limestone and dimension stone.

Buffalo Forge Company, Broadway and Mortimer streets, Buffalo, N. Y. New York office, 39 Cortlandt street. Portable, stationary and heating forges, manual training school outfits, blacksmiths' drills, shears, bar cutters, tire upsetters, and punches, blowers, exhausters, steel plate pulley and planing mill exhaust fans; ventilating, drying and heating apparatus; horizontal, vertical, simple and compound steam engines, and simple and compound centrifugal pumps. Foreign branch in London. Cable addresses: "Forge," Buffalo; "Buffaloes," London. Codes, Lieber's, A 1, Atlantic Directory and Western Union.

Buffalo Oil, Paint and Varnish Company, 1317 Elk street, Buffalo, N. Y. Ready mixed paints; colors in oil; varnish.

Buffalo Pitts Company, 27 Carolina street, Buffalo, N. Y. Threshing machines; steam road rollers for macadam, asphalt, golf links, etc.; cultivators, harrows, rollers and rakes; traction engines, portable engines, road locomotives, stone and ore cars, etc. Cable address, "Pitts," Buffalo. Codes, Harvey's, Abecedary and Western Union.

Buffalo Scale Company, 81 Scott street, Buffalo, N. Y. Counter, portable, wagon, miner, hopper and railroad track scales; weighing machinery for all commercial purposes. Jobbers of trucks. Cable address, "Scales," Buffalo. Codes, Lieber's and Atlantic Directory.

Buffalo Steel Company, Tonawanda, N. Y. Merchant steel, angles, light rails and special shapes for agricultural implement manufacturers.

Buffalo Weaving and Belting Company, 234 Chandler street, Buffalo, N. Y. Webbings: web horse-goods, such as web halters, surcingles, bridles, team lines and harness; web shawl, bag and trunk straps; cotton and rubber belting; conveyor belts. Cable address, "Weaving," Buffalo. Codes, Western Union and A B C.

Buhl Malleable Company, Wight and Adair streets, Detroit, Mich. New York office, 56 Reade street. Sprocket chain and wheels; conveyor chains, standard and special; link belting; malleable elevator buckets;

barrel and package elevators; coal and ash handling machinery; belt conveyors; spiral conveyors; elevating and conveying devices for all purposes. Jobbers of steel elevator buckets, pressed steel split pulleys, shafting and power transmission appliances in general. Malleable iron castings from customer's patterns a specialty. Cable address, "Sprocketco," Detroit. All codes.

Bulkley, Dunton & Co., 75 Duane street, New York. Factory, Middlefield, Mass. Book papers. Jobbers of book, news and coated papers. Foreign agents: Witting Brothers, London. Cable address, "Bulkton," New York. Code, A B C.

The Bull's Ferry Chemical Company, Shadyside, N. J. Vanillin, chrome acetate, chrome chloride and other mordants; reduced blacks, cotton and wool sizes and softeners, and other cotton, wool and calico printers' supplies. Code, A B C.

The Bullard Machine Tool Company, Bridgeport, Conn. Machine tools: boring and turning mills; vertical turret lathes; horizontal turret machines; rapid production lathes. Foreign agents: Charles Churchill & Co., Ltd., London and Manchester; Fenwick Frères & Cie, Paris, for France, Belgium, Switzerland, Italy, Spain and Portugal.

A. P. Burchfield (Joseph Horne Company), Pittsburg, Pa. Dealers in dry goods, fancy goods, china, bric-a-brac, furniture, carpets, rugs, house furnishings, upholstery, clothing, underwear, gloves, hosiery, etc. Foreign agents: G. Gillette, Paris; R. D. Warburg & Co., London. Cable address, "Horne," Pittsburg. Code, International.

William B. Burford, 21 West Washington street, Indianapolis, Ind. Manufacturer of blank books; lithographer, printer, publisher and stationer.

Burgess Sulphite Fiber Company, 131 State street, Boston, Mass. Sulphite fiber.

Burk Brothers, 409 Arch street, Philadelphia, Pa. Glazed kid. Foreign agents: Baxter's Leather Co., London; Félix Fournier & Knopf, Paris. Cable address, "Oxide," Philadelphia. Codes, A B C and Widebrook.

W. Atlee Burpee & Co., 475 North Fifth street, Philadelphia, Pa. Trial grounds at Fordhook Farms, Doylestown, Pa. All varieties of seeds. Cable address, "Burpee," Philadelphia. Code, private.

Burson Knitting Company, Rockford, Ill. Ladies' cotton hose, seamless and fashioned.

Burt Machine Company, 325 North Holliday street, Baltimore, Md. Labeling, boxing, wrapping and lacquering machines; automatic pill and tablet counting machines, liquid measuring and seed packet filling machines. Foreign agents: Schuchardt & Schütte, Berlin; D. Weil, Paris. Cable address, "Burtco," Baltimore. Codes, A B C Fourth edition and Western Union.

Butters Lumber Company, Boardman, Columbus county, N. C. Pine, cypress and gum lumber; also planing mill manufacturing all kinds of inside finish.

H. W. Butterworth & Sons Company, York and Cedar streets, Philadelphia, Pa. Dyeing, drying and finishing machinery for cotton, woolen and worsted goods. Cable address, "Buttworth," Philadelphia. Code, A B C.

Buxton & Skinner Stationery Company, 306 North Fourth street, St. Louis, Mo. Printers, lithographers and blank book makers; railroad and ticket printers. Jobbers of office furniture and stationery.

C. & A. Patented Building Construction Company, 170 Broadway, New York. Portable houses of every description, suitable for all countries. Cable address, "Portable," New York. Code, Western Union.

The Cable Company, Cable building, Wabash avenue and Jackson boulevard, Chicago, Ill. Works also at St. Charles, Ill. Export office, 139 Fifth avenue, New York. Conover, Cable, Kingsbury and Wellington pianos, and Chicago Cottage organs. Factors for Mason & Hamlin pianos and organs. Foreign agents: Barnett Samuel & Sons, Ltd., London. Cable address, "Cottorgan," Chicago. Code, Adams Cable Codex.

Samuel Cabot, 141 Milk street, Boston, Mass. Factories at Chelsea, Mass. Creosote shingle stains, insulating and deadening "Quilt," lampblack, Conservo wood preservative, brick preservative, disinfectants, general coal tar products. Foreign agents: Arthur L. Gibson & Co., London; James Sandy & Co., Sydney; Kenderdine & Kirkup, Auckland; D. Henderson & Co., Kingston, Jamaica; The Columbia Co., Cartagena, Colombia. Cable address, "Cabot," Boston. Code, A B C Fourth edition.

The Cahill Iron Works, 102-116 Boyce street, Chattanooga, Tenn. New York office, 101 Beekman street. "Jessamine" porcelain enameled cast iron bath tubs; "Southern Beauty" porcelain enameled cast iron lavatories; "Cahill" one piece roll rim porcelain enameled cast iron sinks; plated grates and fire place fixtures. Cable address, "Cahill," Chattanooga. Code, Western Union.

Cahill & Hall Elevator Company, 133-135 Beale street, San Francisco, Cal. Passenger and freight elevators, electric and hydraulic; also dumbwaiters and hoisting machinery. Cable address, "Elevator," San Francisco. Code, Western Union.

Caird & Hawksworth, Helena, Mont. Mining, milling and smelting machinery. Chief business the designing and building of new and special machinery adapted to local requirements, installing new plants, etc.

Calculagraph Company, 9 Maiden Lane, New York. "Calculagraph" machines for computing and recording elapsed time (patented). Several different types are made adapted for different industries as follows: Calculagraph Model 6 records, in minutes and quarter minutes, the time a telephone toll line is in use; these machines are used in telephone exchanges. Calculagraph Model 9 records, in hours and minutes, time consumed in industrial operation of every kind. Calculagraph Model 15 records, in hours and tenths of an hour, the working time of employees on jobs or operations, for determining the labor costs of factory products. Calculagraph Model 12 records, in dollars and cents, the value of a time period for service rendered at a fixed price per hour, and computes the pay of employees who receive uniform wages. Calculagraphs which print earnings in foreign money of any denomination made to order. Cable address, "Calculagraph," New York.

W. E. Caldwell Company, Brook and D streets, Louisville, Ky. Power transmission machinery, and wood and steel tanks and tank towers. Cable address, "Caldwell," Louisville. Code, Western Union.

California Barrel Company, 327 Market street, San Francisco, Cal. Oak and Pacific coast soft wood barrels and kegs; kits and pails; "Udell Excelsior" step ladders. Cable address, "Retsko," San Francisco. Codes, Western Union and Leonard's Cooperage.

The California Door Company, 20 Drumm street, San Francisco, Cal. Mills at Oakland, Cal. Doors, sash (open or glazed), blinds, mouldings, spindles, corner blocks, head and base blocks and leaded art glass. Jobbers of window glass. Cable address, "Caldor," Oakland.

California Fruit Canners' Association, Pine and Battery streets, San Francisco, Cal. Owns 30 plants on Pacific coast. Canned fruits and vegetables, jams, jellies, preserves and specialties in tin and glass. Agents in principal foreign markets. Cable address, "Calfruit," San Francisco. Codes, A B C Fourth and Fifth editions, and private.

California Glue Works, 123 California street, San Francisco, Cal. Glue and gelatine. Cable address, "Glueholje," San Francisco. Code, A B C.

California Powder Works, San Francisco, Cal. Military and sporting powders, dynamite and shotgun ammunition.

California Saw Works, 208 Mission street, San Francisco, Cal. Saws and saw mill machinery; logging jacks. Jobbers of saws and saw tools, files, emery wheels and machine knives. Cable address, "Calsaw," San Francisco, Seattle and Portland. Code, A B C Fourth edition.

California Wine Association, 661 Third street, San Francisco, Cal. New York office, 410 West Fourteenth street. Wineries in Napa, Sonoma, Solano, Sacramento, Contra Costa, Alameda, Santa Clara, San Joaquin, Madera, Fresno, Kings, Tulare and San Bernardino counties, Cal. California wines and brandies. Cable address, "Calwa," San Francisco. Codes, A B C and Lieber's.

W. P. Callahan & Co., 901 East Third street, Dayton, Ohio. Cotton-seed, linseed and corn oil machinery; gas and gasoline engines. Cable address, "Callahan," Dayton.

The Calvert Lithographing Company, Detroit, Mich. Lithographed cigar, perfume and can labels; posters, calendars, show-cards, hangers, office and bankers' stationery. Cable address, "Calvert," Detroit. Code, Western Union.

The Cambridge Tile Manufacturing Company, Covington, Ky. New York office, 154 West Twenty-seventh street. Floor tile, ceramic mosaic tile, art ceramic tile, glazed wall tile, decorated and art tile. Cable address, "Camtileco," Covington. Code, Western Union.

A. S. Cameron Steam Pump Works, 433 East Twenty-third street, New York. Steam pumps, air pumps and condensers, automatic feed pumps and receivers, combined pumps and boilers, deep well engines and pumps, and pumps in general, including: artesian well, boiler feed, dry and wet vacuum (crank and fly-wheel and direct-acting), fire, hydraulic pressure, light service, melter pan, mining (horizontal piston and plunger station), vertical plunger and piston, prospectors' and differential sinking, and sectionalized station and sinking, oil and pipe line, power, removable bushing and tank. Also electric pumps, triplex pumps and marine pumps. Foreign agents: Persicaner & Co., Vienna; Hampshire & Co., Rio de Janeiro and São Paulo, Brazil; John R. Beaver, Valparaiso; Arnhold, Karberg & Co., Shanghai; Ingersoll-Sergeant Drill Co., London and Berlin; Charles Donders, Nancy, France; Léon Gellaz, Marseilles; R. S. Stokvis & Zonen, Rotterdam; Lorentzen & Wettre, Christiania; Nienstaedt & Co., Copenhagen; Ingersoll-Sergeant Drill Company, Johannesburg; Garteiz Hermanos, Yermo y Cia., Bilbao and Gijon, Spain; Tornborg & Lundberghs, Eftr., Stockholm; John Burns & Co., Auckland, New Zealand; James Martin & Co., Sydney; Frank R. Perrot, Perth, Western Australia; W. & J. Lempriere, Melbourne and Brisbane; Robert Graham, Ponce, Porto Rico. Cable address, "Noremac," New York. Codes, Lieber's, Atlantic Directory, Western Union, and A B C Fourth and Fifth editions.

Camp Manufacturing Company, Franklin, Southampton county, Va. Mills at Arringdale and Butterworth, Va. Export office, Norfolk, Va. North Carolina pine, rough and dressed. Foreign agents: Churchill & Sim, Liverpool and London; F. W. Barth & Co., Hamburg, Bremen and Düsseldorf. Cable address, "Camp," Franklin, Va. Codes, A B C Fifth edition and Telecode.

Joseph Campbell Company, 32 North Front street, Camden, N. J. New York branch, 182 Franklin street. Agencies in Boston, Pittsburg, Chicago, St. Louis, Kansas City, Memphis, New Orleans, Denver, Salt Lake City, Los Angeles, San Francisco, Seattle and Portland,

Ore. Condensed soups, tomato ketchup, tabasco ketchup, chili sauce, salad dressing, mustard and mince meat. Worcester sauce and baked beans. Foreign agents: J. C. Plimpton & Co., London and Liverpool; Rose & Laflamme, Montreal; W. G. A. Lambe & Co., Toronto. Cable address, "Camelsoup," Camden. Codes, A B C and Western Union.

C. H. Campbell Furniture Company, Shelbyville, Ind. Largest manufacturers of hall furniture in the world.

Campbell Knitting Mill Company, Elmira, N. Y. New York office, 256 Church street. Ladies' and misses' cotton knit ribbed underwear.

The H. O. Canfield Company, 434 Myrtle avenue, Bridgeport, Conn. Moulded rubber goods, plumbers' rubber goods, sewing machine rubbers, rubber basin and bath stoppers, and boiler gaskets.

The Canfield Rubber Company, Bridgeport, Conn. New York office, 781 Broadway. Dress shields, bibs, crib sheets and diapers. Foreign agent: Cyrus Morfey, London, Paris and Hamburg. Cable address, "Bobbinet," New York.

Cape Fear Lumber Company, Fuller building, New York. Represented by Wiley, Harker & Camp Company, Wilmington, N. C. North Carolina pine and cypress lumber.

The Capewell Horse Nail Company, 36 to 84 Governor street, Hartford, Conn. Horse shoe nails.

Capital Gas Engine Company (Arthur Jordan, owner), Indianapolis, Ind. Gas and gasoline engines and automatic clutch pulleys.

Carbon Steel Company: Eastern office, Havemeyer building, New York; Southwestern office, 527 North Second street, St. Louis, Mo.; Western office, 701 Fisher building, Chicago, Ill.; general offices and works, Thirty-second and Smallman streets, Pittsburg, Pa. Open hearth steel ingots; steel plates for all purposes, including universal and sheared plates and sheets for structural work; locomotive firebox and boiler plates; ship plates; five-ply plates and angles for safes and vaults; nickel steel protective deck plates, etc.

The Carborundum Company, Niagara Falls, N. Y. Carborundum wheels and grains; cup and cylinder wheels and special shapes of wheels; carborundum sharpening stones, razor hones, knife sharpeners, combination stones, scythe and axe stones, rubbing bricks; carborundum paper and cloth. Cable address, "Carborundum," Niagara Falls. Codes, Lieber's, A B C Fifth edition and Western Union.

J. M. Card Lumber Company, East End, Chattanooga, Tenn. Mills at Chattanooga and at Hollywood, Akron and Princeton, Ala. Hardwood lumber and dimension stock, and hickory dimension stock and rough handle billets. Jobbers of pine and hardwood lumber. Foreign agents: Cobbett & Co., London; Cant & Kemp, Glasgow; Gossler Bros., Hamburg; Oscar Peschardt & Co., Copenhagen. Cable address, "Card," Chattanooga. Codes, A B C Fourth edition, Lumberman's Standard and Western Union.

The Cardwell Machine Company, 1900 East Cary street, Richmond, Va. Oil mill machinery for the extraction of oil from cotton seed and other vegetable seeds; hydraulic oil presses; direct acting hydraulic pressure pumps (high and low pressure); steam cake formers, heaters, crushing rolls, hullers or decorticators, cake breakers, reels, separators, etc.; hydraulic presses for baling cotton, wool, hemp, rags, paper, paper stock, etc.; hydraulic pumps; tobacco machinery for plug, smoking, cut and leaf tobacco; tobacco granulators, packers, cutters, casing and ordering machines; stem crushers, scrap and nail cleaners; trucks of all kinds; peanut machinery, pickers, cleaners, shellers, separators, picking tables, tumblers,

etc.; agricultural implements, threshers for grain and rice; horse powers; corn planters, well fixtures, etc. Cable address, "Cardwell," Richmond. Code, Western Union.

The Philip Carey Manufacturing Company, Lockland, Ohio. New York office, 116 Liberty street. Other branches in Chicago, Pittsburg, St. Louis, Philadelphia, Cincinnati, Detroit, Buffalo, Baltimore, Boston, Cleveland, New Orleans, Minneapolis, Denver, Salt Lake City, Kansas City, Los Angeles, Louisville, Memphis, Omaha, San Francisco, Little Rock, Ark., Toledo and Youngstown, Ohio, Birmingham, Ala., Wheeling, W. Va., Atlanta, Ga., and Charlotte, N. C. Works at Lockland, Ohio; Plymouth Meeting, Pa.; Baldwinsville, Mass. Eighty-five per cent. magnesia steam pipe and boiler coverings; asbestos and felt steam pipe and boiler coverings; flexible cement roofing and asbestos paper and millboard; asbestos packings and cloth; roofing paints and asphalt materials, etc.; sulphuric acid and pure magnesia. Foreign branches in Mexico City, Havana and Toronto. Cable address, "Carey," Lockland. Codes, A B C and Lieber's.

The Thomas Carlin's Sons Company, 1600 River avenue, Allegheny, Pa. Makers of heavy machinery: engines, boilers and pumps; hoisting engines, contractors' machinery and grinding pans for all purposes. Codes, Lieber's and Atlantic Directory.

F. W. & F. Carlisle, Saginaw, Mich. Harness leather.

Carman Manufacturing Company, Tacoma, Wash. Branches in Seattle and Spokane, Wash. Parlor furniture, bedroom suites, wood and iron beds, tables, kitchen tables, safes, cupboards, chairs, woven wire mattresses, stuffed mattresses, felted cotton, excelsior, wool shoddy and cots. Jobbers of Eastern oak suites, chairs, sideboards, tables, desks and hall furniture. Cable address, "Carman," Tacoma. Code, Western Union.

Carnegie Steel Company, Carnegie building, Pittsburg, Pa. New York office, 71 Broadway. Twenty-eight plants in Pennsylvania and Ohio, embracing 41 blast furnaces, 13 steel works, 22 rolling mills and one axle forge. Pig iron, ferromanganese, Bessemer and open-hearth steel, spiegeleisen, armor plate, billets (1½ inches up), blooms, slabs, bar iron, bar steel; forgings such as axle, arch bars and other car forgings, connecting rods, crank shafts, locomotive frames, eye bars; plates for boilers, bridges, ships and tanks; rails, light iron and steel, standard section steel 25 to 100 lbs. per yard, steel splice bars (plain and angle); rolled structural shapes such as angles, rounds, flats, squares, ovals, I-beams, channels, bulb angles, deck beams, tees, zees, etc.; horse shoe iron, refined and B. B. iron; agricultural shapes, steel hoops, bands and cotton ties; rolls any special section in case tonnage is sufficient. Export agent: United States Steel Products Export Co., Battery Park building, New York.

William Carroll & Co., 585 Broadway, New York. Works at Matteawan, Dutchess Co., New York. Straw hats: men's, ladies' and children's.

The Carter's Ink Company, 162-172 Columbus avenue, Boston, Mass. New York office, 438 Pearl street. Chicago branch, 39 South Water street. Inks (writing, drawing, indelible, stamping, marking), mucilage, photolibrary paste, typewriter ribbons, carbon papers (for typewriter, pen and pencil), Gilson adjustable albums. Foreign agents: The Carter's Ink Co., 58-58A. City road, London; The Carter's Ink Co., 29 Rue de France, Brussels; Carl Diers, Amaliegade, 32 Copenhagen; Wladimir Katzaraky, Moscow; The Carter's Ink Co., 712 Craig street, Montreal. Cable address, "Carterius," Boston. Codes, Lieber's and Western Union.

Carter, Howe & Co., 9 Maiden Lane, New York. Works, Newark, N. J. Fine gold jewelry and chains.

Carter, Rice & Co., Inc., 246 Devonshire street, Boston, Mass. Gummed cloths and paper of every description, coated blotting paper, inner sole linings, etc.; embossed and plain paper for candy manufacturers. Jobbers of paper and card board of every description. Cable address, "Carterice," Boston. Code, Western Union.

Carthage Tissue Paper Mills, Carthage, N. Y. Tissue paper in manila, colors and white.

Cary Manufacturing Company, 19-21 Roosevelt street, New York. Manufacturers of Cary's Universal Box Strapping; also braided, twisted and flat wire box strappings; twisted prong box fasteners; protective seals; skeleton clasps for wooden packages; grate hinges and hasps; bale bands and buckles; strip steel and band iron. Foreign agents: Walter P. Notcutt, 19 Holborn Viaduct, London; Pearson Bros. & Campbell, Liverpool. Cable address, "Carleio," New York. Codes, A B C Fourth and Fifth editions, and Western Union.

Cary Safe Company, Chicago and Scott streets, Buffalo, N. Y. Manufacturers of safes, vaults, etc. Cable address, "Carysafe," Buffalo. Code, Atlantic Directory.

The Case Manufacturing Company, Curtis avenue, Columbus, Ohio. Cranes, power transmission appliances, automobile parts and special machinery; flour mill supplies, electric controllers. Jobbers of shafting and belting. Cable address, "Casumbus," Columbus, Ohio. Codes, A B C, Lieber's and Western Union.

J. I. Case Plow Works, Racine, Wis. Plows and agricultural implements.

J. I. Case Threshing Machine Company, Racine, Wis. Threshing machinery, steam road rollers, road locomotives, contractors' traction engines and portable farm and steam plowing engines; horse powers, separators, band cutters and feeders, pneumatic and automatic swinging straw stackers; corn huskers and shredders. Foreign agents: W. R. Grace & Co., New York and Valparaiso; J. I. Case Threshing Machine Co., Buenos Ayres. Cable address, "Case," Racine. Codes, A B C, Lieber's and Western Union.

Cassidy & Son Manufacturing Company, 133 West Twenty-third street, New York. Gas and electric light fixtures. Code, A B C.

The Cassier Magazine Company, 3 West Twenty-ninth street, New York. Publishers of *Cassier's Magazine*, a monthly publication devoted to engineering, industry, steam, electricity and power, and *Electrical Age*, a monthly publication devoted to electricity. Foreign agents: The Louis Cassier Company, Ltd., London. Cable addresses: "Cassier," New York; "Revolvable," London. Codes, A B C Fourth edition and Lieber's.

Castalia Portland Cement Company, Publication building, Pittsburg, Pa. Factory, Castalia, Ohio. "Tiger Brand" Portland cement. Cable address, "Tiger," Pittsburg. Code, Western Union.

The Cedar Cliff Silk Company, Paterson, N. J. Works at Haledon, N. J. New York office, 722 Broadway. Lining silks for men's wear; dress silks and umbrella silks.

Central Consumers' Company, 420 Green street, Louisville, Ky. Beer.

The Central Iron and Steel Company, Harrisburg, Pa. Steel and iron plates. Cable address, "Centmith," Harrisburg. Code, Lieber's.

Central Manufacturing Company, Evans street and Tennessee river, Chattanooga, Tenn. Cross arms, insulator pins and brackets for electric railway, light, telephone and telegraph plants. Cable address, "Cross arms," Chattanooga. Code, Western Union.

The Central Ohio Paper Company, 70 East Gay street, Columbus, Ohio. Fine writing papers, bonds and linens; index bristols. Cable address, "Copco," Columbus.

Central Paper Company, Muskegon, Mich. Fiber paper for wrapping purposes.

The Central Sash and Door Company, Topeka, Kans. Sash, doors and interior finish.

Chace Mills, Fall River, Mass. Plain cotton cloths; shade goods a specialty.

Chadwick Manufacturing Company, Charlotte, N. C. Fine brown sheetings.

Chain Belt Company, Eleventh avenue and Park street, Milwaukee, Wis. Standard detachable chain belt, special interlocking chains, spiral steel conveyors, sprocket wheels, malleable iron castings, malleable iron buckets, take-up boxes, elevating and conveying appliances; coal, ore and ash-handling apparatus; elevator boots, water elevators, barrel and sack elevators, "Levalley" magic bolt clippers; shafting, boxes and Levalley wrought pressed steel extensible brace shaft hangers; special steel safety set collars and special steel compression couplings. Cable address, "Beltchain," Milwaukee. Codes, Lieber's and Western Union.

The Challenge Machinery Company, Grand Haven, Mich. Salesroom and warehouse, 127 Market street, Chicago. Printing machinery, job and cylinder printing presses, paper cutters, addressing machines, type high machines, patent blocks, sectional blocks, registering bases for color printers; leads, slugs and metal furniture for printers, printers' galleys and other accessories. Foreign agents: Alex. Cowan & Sons Company, Ltd., Melbourne, Sydney and Adelaide; F. W. Boynton, Auckland. Cable address, "Challco," Grand Haven. Code, Manufacturers' Export.

Chambers Bros. Company, Fifty-second and Media streets, Philadelphia, Pa. Brick making machinery, clay working machines; paper folding machines; bolt and rivet clippers. Cable address, "Chambers," Philadelphia. Code, Western Union.

The Champion Coated Paper Company, Hamilton, Ohio. Book and coated papers. Foreign agents: Spicer Bros. & Co., Ltd., 19 New Bridge street, London, E. C. Cable address, "Chacospice," Hamilton, Ohio. Codes, A B C, Western Union and Lieber's.

The Champion Iron Company, Kenton, Ohio. Structural and ornamental iron work, prison work, fencing, entrances, yard ornaments, chairs, settees, flower vases, store fronts, sidewalk lights, and gray iron castings.

Champion Paper Company, Carthage, N. Y. New York office, 41 Park Row. Manila wrapping paper; also news paper.

The Champion Paper Cutter Company, Piqua, Ohio. Roll paper holders and cutters for roll wrapping paper for counter use. Foreign agent: Walter P. Notcutt, 19-20 Holborn Viaduct, London.

The Chandler & Price Company, 82 East Prospect street, Cleveland, Ohio. Printing presses and printing machinery. Foreign agents: H. W. Caslon & Co., Paris and London; Stephenson, Blake & Co., Sheffield; Filippo Fiazza, Milan; Fred Stieltjes & Co., Amsterdam; John Dickinson & Co., Bombay, Calcutta, Cape Town and Johannesburg; Gumaelius & Co., Stockholm; A. Gulowsen, Christiania; Adolph Wulff, Copenhagen; S. Ostwald & Co., Buenos Ayres; Fundicion Mexicana de Tipos, City of Mexico; Toronto Type Foundry Co., Toronto; Eastern Trading Co., Shanghai; F. W. Horne, Yokohama. Cable address, "Chanprice," Cleveland. Codes, A B C and private.

Chandler & Taylor Company, 740 West Washington avenue, Indianapolis, Ind. Steam engines: slide valve, throttling, double, sectional, automatic cut-off, electric lighting, direct connected, and compound. Steam boilers: stationary tubular, portable firebox, upright and sectionalized.

Saw mills, circular and vertical; drag sawing machines, edging machines, cut-off sawing machines, and saw mill machinery. Cable address, "Phoenix," Indianapolis. Codes, Lieber's, Western Union and A B C Fourth edition.

The Chaplin-Fulton Manufacturing Company, 34 Penn avenue, Pittsburg, Pa. Regulating valves for natural gas and steam, natural gas meters, syphon pumps, feed water regulators, steam traps, gauge cocks, Rogers patent balanced packing, bells and brass castings. Foreign agents: The Fairbanks Company, Montreal.

Chapman Valve Manufacturing Company, Indian Orchard, Mass. Gate valves, all sizes, ¼ inch to 60 inches; check and globe valves; fire hydrants. Foreign agents: Crosby Steam Gage and Valve Company, London; Alberto Baer, Turin; Fraser & Chalmers, Johannesburg. Cable address, "Valve," Indian Orchard. Code, Western Union.

Charlottesville Woolen Mills, Charlottesville, Va. Uniform goods: cadet grays, sky blues and dark blues.

The Chase Machine Company, 111 Elm street, Cleveland, Ohio. Hoisting engines, automatic steam towing machines, steam capstans and winches, gas and gasoline engines; stranding, cabling and insulating machinery for wire making. Cable address, "Chaseco," Cleveland. Code, Commercial.

L. C. Chase & Co., 129 Washington street, Boston, Mass. New York office, 341 Broadway. Horse clothing, carriage robes; mohair car and furniture plushes; rubber duck and drills. Foreign agent: S. Obermer, 1A Margaret street, Regent street, London. Cable address, "Hopewell," Boston.

Chase-Hackley Piano Company, Muskegon, Mich. Pianos.

Chase-Shawmut Company, Newburyport, Mass. New York agent: William S. Brown, 3 West Twenty-ninth street. Theater switchboards and appliances; labeling machines; rail bonds and appliances; fuse wire and links, enclosed fuses, fuse bases and cut-outs; nipples and couplings; flexible couplings and fittings; metal cable clips, marlin cable clips; Shawmut conduit outlet bushings; Shawmut conduit and moulding hangers. Foreign agents: D. Weil, 20 Rue Richer, Paris; Robert W. Blackwell, 59 City road, London. Code, Western Union.

Chattanooga Brewing Company, Chattanooga, Tenn. Draught and bottled beer: draught, "Liebotshaner," "Special Brew"; bottled, "Imperial Pilsener," "Magnolia."

Chattanooga Car and Foundry Company, 401 Boyce street, Chattanooga, Tenn. Freight, mine and plantation cane cars; car wheels, bridge rods and forgings, machine job work, and castings of all kinds. Cable address, "Evans," Chattanooga. Code, Western Union.

Chattanooga Coffin and Casket Company, Chattanooga, Tenn. Coffins and caskets. Jobbers of dry goods and hardware for trimming coffins and caskets.

Chattanooga Furniture Company, Chattanooga, Tenn. Extension, office, library and parlor tables; hall trees, hanging mirrors, and settees. Foreign agents: Champion & Pascual, Havana; Luis O. Gomez, Santiago de Cuba; Rafael Margarida, San Juan de Porto Rico; Behn & Paulsen, Guadalajara, Mexico. Cable address, "Chatfurco," Chattanooga. Code, Western Union.

Chattanooga Implement and Manufacturing Company, East Chattanooga, Tenn. Plows, hay presses, pea hullers, ornamental fire-place grates, sad irons, tailors' irons, charcoal irons, and iron shoe lasts and stands.

The Chattanooga Medicine Company, Chattanooga, Tenn. Proprietary medicines: McElree's "Wine of Cardui"; Thedford's Black Draught and Black Draught stock medicines. Foreign agents: American Trading Co., New York; American Medicine Company, Cape Town. Cable address, "Patten," Chattanooga. Code, Western Union.

Chattanooga Plow Company, Chattanooga, Tenn. New York representative: Thos. Ryan, Jr., 68 Broad street. Cane mills and evaporators; disk and moldboard plows. Foreign agents: Juan H. Kipp, Guadalajara, Mexico; Juan J. De Jongh, San José, Costa Rica; Sommer, Hermann & Co., Vera Cruz and Mexico City; Alberto Peter & Co., Managua, Nicaragua; C. Del Valle y Cia., Nacional, Oaxaca, Mexico; John Owen & Co., Honda, Colombia; Mangold Brothers, Port Elizabeth; C. Czaykowski & Co., Cape Haitian; A. F. Philip & Co., Bulawayo, Rhodesia; Juan & José Drysdale, Buenos Ayres; Emanuel Lyons & Son, Kingston, Jamaica; E. Lyons, Panama; Green, Knaebel & Co., Port-au-Prince; Alex. Young & Co., London; Vicente G. Abreu, Santa Clara, Cuba; J. & C. Howard, Sydney. Cable address, "Plow," Chattanooga. Codes, A B C Fourth edition and Western Union.

Chattanooga Roofing and Foundry Company, Chattanooga, Tenn. Cast and wrought iron architectural work, metal shingles, galvanized sheet iron work for buildings, sheet iron awnings, skylights, sheet iron stoves, cast iron charcoal stoves, baking pans. Foreign agent: Wade B. Mell, Mercaderes 4, Havana. Cable address, "Lookout," Chattanooga. Code, Western Union.

Chattanooga Wagon Company, Chattanooga, Tenn. Works at East Lake, Tenn. Farm wagons (one and two horse).

Chautauqua Worsted Mills, Jamestown, N. Y. Worsted yarns and tops. Cable address, "Goodwill," Jamestown. Code, Western Union.

The Chelsea Jute Mills, 33 Union Square West, New York. Mills in Brooklyn. Jute products: carpets, mattings, Smyrna rugs, floor-cloth canvas, seamless bags, jute and linen yarns, cordage, binder twine, etc. Cable address, "Ficklesand," New York. Code, A B C Fourth edition.

Cheney Bigelow Wire Works, Heywood and Warwick avenues, Springfield, Mass. Fourdrinier wires, cylinder moulds, dandy rolls, lock valves, felt guides, brass and iron wire cloth. Foreign agent: Toyo Shokwai, Yokohama.

Cheney Brothers, Inc., South Manchester, Conn. New York office, 477 Broome street. Mills at South Manchester and Hartford, Conn. All kinds of silk yarns and fabrics; dress goods of all kinds, ribbons, velvets and plushes, printed silks, silks for the upholstery and decorative trade, flags, handkerchiefs. Cable address, "Cheney," South Manchester. Code, private.

The Cherry Valley Iron Company, Pittsburg, Pa. Furnaces at Leetonia, Ohio, and West Middlesex, Pa. Bessemer, foundry and gray forge pig iron.

Chess Brothers, 541 Wood street, Pittsburg, Pa. New York office: Expanded Metal Engineering Co., 256 Broadway. Expanded metal for fireproof flooring, plastering and guard work.

Chicago Belting Company, 67 South Canal street, Chicago, Ill. Leather belting, leather belt dressing and cement. Cable address, "Reliance," Chicago. Codes, Western Union and Atlantic Directory.

Chicago Bridge and Iron Works, 105th and Throop streets, Chicago, Ill. Steel water towers, tanks and standpipes; bridges, turntables and structural steel.

Chicago Flexible Shaft Company, La Salle avenue and Ontario street, Chicago, Ill. Sheep shearing machinery (hand and power), horse clip-

ping machinery (hand and power), Stewart's gas blast furnaces. Foreign agents: Chicago Flexible Shaft Co. and Niles Tool Works, London; Fenwick Frères & Co., Paris; Juan & José Drysdale y Cia, Buenos Aires. Cable address, "Flexible," Chicago. Code, Lieber's.

Chicago Portland Cement Company, 211 Stock Exchange building, Chicago, Ill. Works at Oglesby, Ill. Portland cement.

Chicago Railway Equipment Company, Fortieth street and Princeton avenue, Chicago, Ill. Metal brake beams, side bearings and brake slack adjusters for railway cars. Cable address, "Hollowbeam," Chicago. Codes, A B C, Western Union, Atlantic Directory and Lieber's.

Chicago Screw Company, 2 North Canal street, Chicago, Ill. Machine screws, set and cap screws, screw machine products and automobile parts.

Chicago Ship Building Company, East Side Station, Chicago, Ill. Ship and engine builders and dry-dock proprietors. Cable address, "Brownrook," Chicago.

Chicago Spring Butt Company, Union Park place and Carroll avenue, Chicago, Ill., and 126 Chambers street, New York. Spring hinges; door springs; barn, warehouse and dock-shed hangers. Foreign agents: Markt & Co., New York, London, Hamburg, Paris; Donnell & Palmer, New York and Buenos Aires.

Chicago Varnish Company, 35 Dearborn avenue, Chicago, Ill. New York office, 22 Vesey street. Varnishes and japans. Cable address, "Morganarp," Chicago. Codes, A B C and Western Union.

Chicago Wheel and Manufacturing Company, 38 West Randolph street, Chicago, Ill. Emery, corundum and carborundum wheels, stones, bricks, etc.; hand and foot power, steam, electric or water power grinding machinery; sharpening devices as oil and whetstones, scythe stones, razor hones, knife sharpeners or steels, axe, slip and knife stones; cloth, leather and wood polishing wheels; carborundum dental and jewelers' wheels; emery and corundum grains. Jobbers of German water razor hones and Belgium oil razor hones. Cable address, "Corundum," Chicago. Code, A B C

Chickasaw Cooperage Company, Memphis, Tenn. Branch at Gretna, La. Staves, heading and barrels for cottonseed oil, whiskey and wine. Cable address, "Cooperage," Memphis. Code, A B C.

Chickasaw Iron Works, Memphis, Tenn. Cotton baling presses, architectural and structural iron work; transmission machinery and gray iron castings.

Chicopee Manufacturing Company (Albert Greene Duncan, Treasurer), 70 Kilby street, Boston, Mass. Mills at Chicopee Falls, Mass. Cotton flannels, blankets, sheetings, drillings, shirtings and fancy cotton fabrics. Selling agents: Minot Hooper & Co., 40 Thomas street, New York.

Antoine Chiris, 18 Platt street, New York. Factories, Brooklyn, N. Y., Grasse, France, and Boufarick, Algeria. Essential oils; specialties: materials for perfumers and soap makers, natural perfumes concrete. Cable address, "Chiris," New York. Code, A B C Fourth edition.

The Chisholm & Moore Manufacturing Company, Lake street, Cleveland, Ohio. Malleable iron castings, chain hoists, elevator door hangers and locks, I beam trolleys, railway track appliances. Cable address, "Chismoore," Cleveland. Codes, Western Union and Atlantic Directory.

William Chisholm & Sons, 358 Case avenue, Cleveland, Ohio. Steel shovels, spades, scoops and washers.

Christy Fire Clay Company, Morgan Ford road and Gravois avenue, St. Louis, Mo. Washed pot clays, furnace clays, crude clays, glass house

tank blocks and furnace stones, fire brick, silica brick, boiler settings, locomotive tile, and cupola linings. Code, Lieber's.

Chrome Steel Works, Chrome, N. J., formerly of Brooklyn, N. Y. President's office, 11 Pine street, New York. Welded chrome steel and iron, five-ply, for burglar-proof vaults, safes, prison cells, etc.; castings for stamp mills and wearing parts of all kinds of crusher and grinding mills; machinery castings of every description; Canda improved self-locking cam and Canda self-oiling mine car wheel. Foreign agents: J. J. Craig, Auckland; Austral-Otis Engineering Company, South Melbourne; S. Sykes & Co., Johannesburg. Cable address, "Chrome," New York. Codes, A B C, Anglo-American, Atlantic Directory and Western Union.

Church & Dwight Company, 63 Wall street, New York. Bicarbonate of soda and sal soda.

Cincinnati Cooperage Company, Cincinnati, Ohio. Manufacturers of barrels and kegs of all sizes, either finished or in shooks, for beer, ale, whiskey, wine, alcohol, liquors, white lead and lard. Cable address, "Cooperage," Cincinnati. Codes, A B C and Lieber's.

The Cincinnati Milling Machine Company, 2533 Cook street, Cincinnati, Ohio. Milling machines, attachments for milling machines, and universal cutter and tool grinders. Foreign agents: Schuchardt & Schütte, Paris, Berlin, Vienna, Brussels, Cologne, Stockholm, St. Petersburg, Bilbao and Milan; Chas. Churchill & Co., London, Birmingham, Manchester, Newcastle-on-Tyne and Glasgow; Niles-Bement-Pond Co., London. Cable address, "Milling," Cincinnati. Codes, Lieber's, Standard, Western Union, A B C and private.

The Cincinnati Tool Company, 1951-1953 Waverly avenue, Norwood, Cincinnati, Ohio. Bit stock drills for wood and metal, chuck drills for wood, brace dowel bits, blacksmith drills, steel wire gauge drills, bell-hangers' and electricians' drills, pliers and splicing clamps, screw drivers, hollow augers, spoke pointers and dowel pointers, screw and plug bits, plug cutters, band setters, spoke and coopers' shaves, box scrapers, bench stops, countersinks, washer cutters, bit wrenches, clamps and file cleaners, brace wrenches, saw vises and blotter baths. Foreign agents: South British Trading Company, Ltd., London; Rotherham & Wood, Melbourne; A. H. Mason, 89 St. George's street, Cape Town; Herm. Hohm, Hamburg; Robt. Siercke, Vienna; C. Karcher & Cie., Zurich; I. E. Koffman, Odessa; A. H. de Diaz, Havana; Guinle & Co., Rio de Janeiro; C. J. Christie, Buenos Aires. Cable address, "Hargrave," Cincinnati. Code, Lieber's.

Citico Furnace Company, Chattanooga, Tenn. Pig iron.

The H. B. Claflin Company, Church, Worth and Thomas streets and West Broadway, New York. Sheets and pillow cases, muslin underwear. Converters of cotton goods. Jobbers of all kinds of dry goods and fancy goods. Foreign branches: 72 Sackville street, Manchester, and 5 rue Saulnier, Paris. Cable address, "Claflin," New York. Codes, A 1, A B C Fourth edition and Lieber's.

The E. D. Clapp Manufacturing Company, Auburn, N. Y. Carriage couplings, axle clips, saddle clips, king bolts, fifth wheels, stump joints, long joint ends, and a general line of forgings for carriages.

Clarage Foundry and Manufacturing Company, Kalamazoo, Mich. Gray iron castings, fanning mills and special machinery.

A. B. Clark Company, 92 South street, Boston, Mass. New York office, 29 Spruce street. Tanneries at Peabody, Mass., and Bridgton, Me. Sheep and kid leather. Cable address, "Pealeath." Code, Commercial.

J. Shepherd Clark Company, 126 Liberty street, New York. Publishers of the Spanish export newspaper, *El Comercio,* established 1875. Cable address, "Comercio," New York. Codes, A B C and Lieber's.

Melville Clark Piano Company, 399 West Madison street, Chicago, Ill. Apollo piano player, Orpheus self-playing organ and Melville Clark pianos. Foreign agents: The Apollo Co., Ltd., London; Louis Ritz, Hamburg; C. H. & J. Ullman, Paris; Robinson Piano Co., Hong Kong and Singapore; Ricordi e Finzi, Milan. Cable address, "Apollo." Codes, A B C, Lieber's and Western Union.

The W. J. Clark Company, Salem, Ohio. General plate and sheet metal work: "Lane" joist hangers, "Lane" post caps and bases, steel tubs, steel boxes, buckets, barrels, pails, kegs, pans, troughs, tanks and hand-barrows; elevator casings, mill and elevator buckets, three-piece buckets for handling coal, ores, broken stone, ground bark, clay, sand, phosphate, rock quartz, etc.; steel and iron washers; "Rapid Easy" garden weeders. Also plate and sheet metal cutting and stamping; melting ladles (pressed from heavy plate). Also "Quick-as-Wink" couplers, adapted to air, steam and water hose. Cable address, "Kralc," Salem. Codes, A B C, Atlantic Directory, Lieber's and Manufacturers' Export.

Jas. Clark, Jr., & Co., 313 West Main street, Louisville, Ky. Dynamos, motors and electrically driven machine tools. Jobbers of electrical supplies. Cable address, "Clarque," Louisville. Code, A B C.

N. Clark & Sons, 17 Spear street, San Francisco, Cal. Works at Alameda, Cal. Sewer pipe, architectural terra cotta, pressed brick, fire brick, fire clay and fire tile.

Clark & Coombs Company, 86 West Exchange street, Providence, R. I. Gold-filled finger rings. Foreign agents: Heacock & Frier, Manila; W. H. Levy, London. Cable address, "Clarkcomb," Providence. Code, Western Union.

Clayton Brothers, 127 Duane street, New York. Works at Bristol, Conn. Cast iron and steel laid scissors and shears, tinners' snips, paper hangers' and bankers' shears. Cable address, "Tasconio," New York.

Clayton & Lambert Manufacturing Company, Detroit, Mich. Gasoline fire pots, furnaces, torches, brazing fires, tempering fires, hydrocarbon burners, needle point valves, etc. Cable address, "Gasotorch," Detroit. Codes, Western Union and private.

Clement Manufacturing Company, Northampton, Mass. Table cutlery: solid and hollow handle knives for silver-plating, stub tang blades for German silver handles, and hollow handle screw drivers.

The Cleveland-Akron Bag Company, Scranton, Auburn and Barber avenues, Cleveland, Ohio. Owns and operates two paper mills and three sack factories. Rope paper, burlap, cotton and paper bags; muslin, paper and card-board advertising signs; buffing wheels, salt pockets and waterproof paper-lined burlap. Cable address, "Root," Cleveland. Codes, A B C Fourth edition and private.

The Cleveland-Cliffs Iron Company, Cleveland, Ohio. Works at Marquette and Gladstone, Mich. Charcoal pig iron, wood alcohol, acetate of lime and formaldehyde.

The Cleveland Frog and Crossing Company, Cleveland, Ohio. Frogs, crossings and switches for steam and electric railroads.

The Cleveland Hardware Company, 1300 Lake street, Cleveland, Ohio. Rolled steel carriage, wagon and sleigh parts, and special forgings.

Cleveland Salt Company, Second street and Central avenue, Cleveland, Ohio. Table salt.

Cleveland Saw Mill and Lumber Company, Cleveland, Ohio. Mills at Sarnia, Ont. White and Norway pine lumber and timber.

The Cleveland Stamping and Tool Company, Cleveland, Ohio. Enameled kitchen utensils and steel spiders, kettles, etc. Foreign agents: De

Rees & Willard, 3 Beaver street, New York, agents for South America, Mexico, Porto Rico and Cuba. Cable address, "Lava," Cleveland. Code, Western Union.

The Cleveland Stone Company, Hickox building, Cleveland, Ohio. Works at various points in Ohio and Michigan. Grindstones, mounted grindstones, family grindstones, whetstones, and scythe stones. Cable address, "Clevestone," Cleveland. Code, A B C.

Cleveland Twist Drill Company, Lake and Kirtland streets, Cleveland, Ohio. Twist drills, reamers and sockets. Foreign agents: Selig, Sonnenthal & Co., London; Fenwick Frères & Co., Paris; Emil Sonnenthal, Jr., Berlin; V. Löwener, Copenhagen; C. Schinz, St. Petersburg; Ph. J. Rosenthal, Moscow; Ignacz Székely, Budapest; E. W. Mills & Co., Wellington; Becker & Co., Osaka, Japan; Adler & Eisenschitz, Milan; Peck & Co., Amsterdam; A. Asher Smith, Sydney; John Tragardh, Gothenburg, Sweden. Cable address, "Cox," Cleveland. Codes, Lieber's and A B C.

The Cleveland Wire Spring Company, Wason and Hamilton streets, Cleveland, Ohio. Steel wire springs of all kinds for agricultural machines, upholstery, etc.; steel machinery springs, carriage seat and back springs; spiral wire grain drill tubes, woven wire weaves; steel boxes, hods, barrels, kegs, racks, etc. Cable address, "Clevspring," Cleveland. Code, Western Union.

Cliff Paper Company, Niagara Falls, N. Y. News printing paper in rolls or sheets. Cable address, "Cliff," Niagara Falls. Codes, Western Union and A B C.

Climax Road Machine Company, Marathon, N. Y. Road machines, stone crushers, elevators, bins, revolving screens, reversible horse rollers, engines and boilers, distributing wagons, wheel and drag scrapers, road plows and highway bridges.

Clipper Lawn Mower Company, Front street, Dixon, Ill. The Clipper lawn mowers.

Cluett, Peabody & Co., Troy, N. Y. New York office, 22 West Nineteenth street. Collars, cuffs, shirts, pajamas and night robes.

Clum & Atkinson, 575 Lyell avenue, Rochester, N. Y. Aluminum, brass, bronze, composition, phosphor-bronze, aluminum-bronze and manganese-bronze castings; phosphor-tin, phosphor-copper, Babbitt metal; soldering nipples and unions, boiler couplings, water back couplings, brass unions, ground joint soldering unions.

Clyde Iron Works, Duluth, Minn. Steam logging machinery and logging tools; peavies, cant hooks, pike poles, pickaroons, skidding tongs and swamp hooks.

J. & P. Coats, Ltd., Pawtucket, Rhode Island. Spool cotton.

Coburn Trolley Track Manufacturing Company, Holyoke, Mass. Trolley tracks; parlor, barn and fire door hangers, overhead tramways, rolling ladders; standard fire proof doors and hardware for same. Foreign agents: W. S. Loud, 17 Dalton Chambers, 41 John Dalton street, Manchester. Cable address: "Coburntrac," Holyoke. Code, Western Union.

Cochran Chair Company, Cochran, Ind. Cane seat chairs and cobbler and saddle seat rockers.

Cochrane Chemical Company, 55 Kilby street, Boston, Mass. Factory at Everett, Mass. Acids: muriatic, nitric, sulphuric and aqua fortis. Alum: sulphates of alumina for all purposes. Aqua ammonia and a specialty made of aqua ammonia for absorption ice machines; sal ammoniac. Glauber's salt, sulphate soda for glass makers. Bisulphate, bisulphite and hyposulphite of soda; stannate soda; sulphide sodium; silicate soda; chloride of alumina, chloride zinc, soldering flux; nitrates of iron and copper;

muriate tin and tin crystals; extract indigo; electrolyte for storage batteries, and other chemicals. Cable address, "Cochranes," Boston. Codes, A B C Fourth and Fifth editions and private.

E. J. Codd Company, 700 South Caroline street, Baltimore, Md. Branch works at Canton, Md. Marine and stationary boilers and engines. Fishing steamers, tugs, dredges, propellers, stacks, tanks, driers, mill machinery and general millwrights. Jobbers of iron and brass castings, pumps, hoisters, etc. Cable address, "Fish," Baltimore. Code, Western Union.

Coe Brass Manufacturing Company, Torrington, Conn., and Ansonia, Conn. Brass, copper, German silver and all alloys of copper, zinc, nickel, lead and tin—in sheets, rods, wire, plates, rolls, seamless or brazed tubes, rivets and burrs. Cable address, "Coe," Torrington or Ansonia. Code, A B C Fourth edition.

Cohoes Rolling Mill Company, Courtland and Canvass streets, Cohoes, N. Y. Black and galvanized wrought iron pipe, refined bar iron, skelp iron and puddled bar.

The A. Colburn Company, 110 North Second street, Philadelphia, Pa. Spices, mustard, blueing, blacking, etc. Cable address, "Colburn," Philadelphia. Codes, A B C Fourth edition, Lieber's and Western Union.

Cole Manufacturing Company, 3218 South Western avenue, Chicago, Ill. Hot blast heating stoves for coal and other fuel; air tight heating stoves for wood, steel hot blast cooking ranges. Cable address, "Stocole," Chicago. Code, A B C.

B. E. Cole & Co., 190 Lincoln street, Boston, Mass. Factories at Newburyport, Mass. Women's, misses' and children's shoes; men's and women's slippers.

The A. M. Collins Manufacturing Company, 226 Columbia avenue, Philadelphia, Pa. Cardboard and photograph mounts.

Collins Plow Company, Twelfth and Hampshire streets, Quincy, Ill. New York office, 116 Broad street. Baling presses, hay presses, straw balers, plows, wheel plows, cultivators, harrows, 3-horse and 4-horse equalizers. Foreign agents: Juan Shaw é Hijos, Buenos Aires; Smuts & Koch, Malmesburg, Cape Colony; Perrier & Hafft, Paris. Cable address, "Collins," Quincy, Ill. Codes, A B C Fifth edition, Lieber's and Western Union.

Collins & Co., 212 Water street, New York. Factory, Collinsville, Conn. Axes, hatchets, picks, shovels and plows; hoes, machetes, adzes, wrenches and bush hooks. Cable address, "Collinsaxe," New York. Codes, A B C and Lieber's.

Collins, Darrah & Co., Nebraska, Forest county, Pa. Hemlock, pine and oak lumber.

The Colorado Fuel and Iron Company, Denver, Col. Steel plant at Pueblo, Col., and coal mines and coke ovens at various points in Colorado. Pig iron, steel rails, blooms, billets, wire, nails, merchant iron and steel. Jobbers of coal and coke.

Colorado Iron Works Company, Denver, Col. New York office, 118 Liberty street. Ore smelting equipments and ore milling machinery. Cable address, "Nesmith," Denver. Codes, Lieber's, Bedford McNeal's, Moreing & Neal's, Western Union and Atlantic Directory.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Revolvers, automatic pistols, machine guns, Gatling and Colt automatic guns and machine gun carriages. Foreign branch in London. Cable address, "Colt," Hartford. Codes, A B C and private.

Columbia Box Company, Nineteenth and North Market streets, St. Louis, Mo. Wooden boxes.

Columbia Can Company, 128 Madison street, St. Louis, Mo. Tin cans; lithographers on sheet metal goods.

The Columbia Carriage Company, Hamilton, Ohio. Buggies, runabouts, phaetons, stanhopes, surreys and carriages. Cable address, "Columbia," Hamilton. Code, A B C.

The Columbia Chemical Company, 1618 Frick building, Pittsburg, Pa. Works at Barberton, Ohio. Alkali and caustic soda.

Columbia Hosiery Company, 1955 Park avenue, New York. Fine seamless hosiery, cotton, lisle, merino and worsted.

The Columbia Malting Company, 234 La Salle street, Chicago, Ill. Malt.

The Columbia Marble Company, Rialto building, San Francisco, Cal. Marble and onyx.

The Columbian Enameling and Stamping Company, Terre Haute, Ind. A full line of cooking utensils, of sheet steel, heavily coated with a very strong and durable enamel. Cable address, "Cesco," Terre Haute. Codes, Western Union and Commercial.

The Columbian Hardware Company, Coe and Hamilton streets, Cleveland, Ohio. Export office, 14 Warren street, New York. Other branch offices in Chicago and San Francisco. Manufacturers of hardware and blacksmiths' tools, spring hinges of all kinds, door springs, door pulls, latches, strikes, etc.; wire coat and hat hooks, steel sash lifts, solid box blacksmiths' vises, machinists' vises, coach makers' vises, oval slide vises, etc., anvils and wall and joist hangers. Foreign branch in London. Cable addresses: "Gem," Cleveland, and "Vangem," New York. Codes, Lieber's and A B C.

The Columbus Bolt Works, Columbus, Ohio. Bolts, nuts, washers, rivets; axle, spring-bar, saddle and other vehicle clips; king bolts, shaft couplings and a full line of carriage hardware. Cable address, "Boltworks," Columbus. Code, Western Union.

The Columbus Brick and Terra Cotta Company, Gay and High streets, Columbus, Ohio. Works at Union Furnace, Ohio. Plain and ornamental pressed brick, standard, Roman and Norman sizes, in buff, gray and speckled colors.

The Columbus Carriage and Harness Company, South High street, Columbus, Ohio. Vehicles, harness and automobiles; special carts, vehicles and harness. Cable address, "Cart," Columbus. Code, Western Union.

The Columbus Iron and Steel Company, Columbus, Ohio. Bessemer, basic and foundry pig iron, and coal.

Columbus Manufacturing Company, Columbus, Ga. Four-yard brown sheetings for domestic, foreign and converting trades; 36 to 52 inch widths, 4.30 to 3.15 weights.

The Colwell Lead Company, 63 Centre street, New York. Works at Elizabethport, N. J. Enameled cast iron bath tubs, cast iron soil pipe, and all lead products: lead pipe, sheet, shot, solder, babbitt, cames, tin-lined lead pipe; sheet tin, tin pipe, etc. Jobbers of plumbers', steam and gas fitters' supplies of all kinds.

Combined Locks Paper Company, Appleton, Wis. Wood news paper.

The Commercial Electric Company, Indianapolis, Ind. Direct current dynamos and motors. Foreign agents: Andrews & George, Yokohama; Fogarty & Dickinson, San Luis Potosi and Mexico City. Cable address, "Commercial," Indianapolis. Codes, Western Union and private.

Commercial Envelope and Box Company, Binghamton, N. Y. Sample and catalogue envelopes, mailing and sample envelopes with brass

clasps, filing jackets; document, bellows and box envelopes; seed bags, seed envelopes for mailing seeds, spices and powders; one-piece folding boxes packed flat, and boxes for hats, cloaks, suits, underwear, hosiery, shirts and shirt waists, stationery, candies, cakes and flowers; shoe cartons. Cable address, "Reversible," Binghamton. Code, Western Union.

The Commonwealth Shoe and Leather Company, 66 Lincoln street, Boston, Mass. Boots and shoes for men only. Foreign agents: C. W. Randall & Co., London. Cable address, "Cealth," Boston. Codes, A B C and Western Union.

The Compound Door Company, St. Joseph, Mich. High grade veneered doors of all woods and designs, wholesale and retail. Foreign agents: Tickle, Bell & Co., Liverpool. Cable address, "Compound," St. Joseph. Code, American Lumberman's Telecode.

Comptograph Company, 146-156 Blackhawk street, Chicago, Ill. Adding and listing machines. Cable address, "Comptgraph," Chicago. Code, Western Union.

The Computing Scale Company, Dayton, Ohio. Scales—computing and price; also cheese cutting machines. Foreign agent: British Moneyweight Calculating Scale Company, Limited, 17 Rosebery avenue, London. Cable address, "Moneyweight," London, Dayton, Chicago. Codes, Commercial and private.

Concord Manufacturing Company, Penacook, N. H. Men's wear woolens.

The Confectioners' Machinery and Manufacturing Company, Springfield, Mass. New York office, 150 Nassau street. Confectionery and chocolate machinery; hydraulic presses. Foreign agents: A. Savy Jeanjean & Cie, 162 Rue de Charenton, Paris. Cable address, "Buck," Springfield, Mass. Code, A B C.

W. B. Conkey Company, 341 Dearborn street, Chicago, Ill. Works at Hammond, Ind. Publishers, printers and electrotypers: publications in fiction, history and poetry; publications for juveniles; makers of catalogues and books of all descriptions, in all languages. Cable address, "Conkey," Chicago. Code, A B C.

The Conklin Pen Company, 514-518 Jefferson avenue, Toledo, Ohio. Export office, The Edgar A. Wilhelmi Co., 93 Reade street, New York. Conklin's Self-Filling Pens. Foreign agents: American Agencies, Ltd., 38 Shoe lane, Farringdon st., London; Rae, Munn & Gilbert, 47 Market st., Melbourne. Cable address, "Conkpen," Toledo, Ohio.

B. Conlan & Co., 87-91 Hamilton street, Newark, N. J. Manufacturers of all kinds of bag mountings, ladies' belts, buckles, purses, millinery ornaments, metal chatelaine bags, etc.; novelties; saddle, bag and satchel trimmings; military buckles and ornaments, buttons; gold, silver and nickel plating. Special attention given to the making of tools and models.

The Conley Foil Company, 521-541 West Twenty-fifth street, New York. Tin foil (all qualities); also Tea Lead. Cable address, "Foilmaker," New York. Codes, A B C, Lieber's and Western Union.

J. D. Connell Iron Works Company, 1207 South Peters street, New Orleans, La. Marine and stationary engines and boilers; condensers, smokestacks, breechings, iron and brass castings, air hoists, tanks, iron and bronze propeller wheels. Jobbers of pipes and pipe fittings and mill and engine supplies. Cable address, "Connell," New Orleans. Code, Western Union.

The Connersville Blower Company, Connersville, Ind. New York office, 95 Liberty street. Rotary positive pressure blowers, gas exhausters, pumps and hydraulic motors. Cable address "Cycloidal," Connersville. Codes, A B C Fourth edition and Western Union.

The Conrey & Birely Table Company, Shelbyville, Ind. Parlor and library tables, ladies' toilet tables, pedestals and tabourettes; mission furniture. Cable address, "Jumbo," Shelbyville. Codes, Western Union and A B C.

Conroy, Prugh & Co., 1430 Western avenue, Allegheny-Pittsburg, Pa. Framed French plate mirrors; toilet and triplicate mirrors and American framed mirrors for export; mirror plates, plain and beveled; American beauty plates. Jobbers of polished plate glass, window and art stained glass.

Consolidated Dental Manufacturing Company, 130 Washington place, New York. Dental supplies of every description: porcelain teeth; dental chairs, engines, vulcanizers, burrs, instruments and appliances; gold foil, gold solder and plate, filling materials, amalgams, cements, waxes, vulcanite, rubbers, etc. Jobbers of full line of dental supplies. Cable address, "Donabaris," New York. Codes, A B C and Western Union.

Consolidated Pipe Company, Los Angeles, Cal. Riveted steel water pipe and well pipe, sheet steel tanks for water and oil, steel oil well casing, and cyanide tanks.

Consolidated Rubber Tire Company, 40 Wall street, New York. Works at Akron, Ohio. Rubber tires: the "Kelly-Springfield" solid rubber tires for vehicles; the "Kelly Endless" and "Kelly Cushion" solid rubber tires. Licensees in nearly all foreign countries. Cable address, "Keltire," New York. Codes, Western Union, A B C Fourth and Fifth editions, Lieber's and A 1.

Continental Bolt and Iron Works, Chicago, Ill. Bolts and nuts.

Continental Gin Company, Inc., Birmingham, Ala. Factories at Birmingham, Avondale and Prattville, Ala.; Atlanta, Ga.; Memphis, Tenn.; Dallas, Tex.; Bridgewater, Mass. Cotton gins, feeders, condensers, baling presses, elevators, System ginning outfits; engines and boilers, and cotton seed linters. Jobbers of mill and machinery supplies. Foreign agent: J. Block Company, Moscow, Russia. Code, private.

Continental Stove Company, Hermitage road and Leigh street, Richmond, Va. Works also at Waynesboro, Va. A full line of stoves, ranges and heaters: "Standard" stoves and ranges made at Richmond plant; "Loths" stoves and ranges made at Waynesboro plant. Jobbers of hollow-ware, drip pans, stove pipe (side seams open), elbows.

The Contractors' Plant Manufacturing Company, 129 Erie street, Buffalo, N. Y. Hoisting engines, horse power hoists, belt hoists, hand power hoists, derricks (stationary and traveling), derrick fittings, hoisting blocks.

The Converse Bridge Company, Chattanooga, Tenn. Bridges, water towers, roof trusses and steel buildings.

The F. W. Cook Brewing Company, Evansville, Ind. Lager beer, bottle beer. Cable address, "Cook," Evansville. Code, A B C Fourth edition.

The Cook Pottery Company, Trenton, N. J. New York office, 36 Murray street. Plain and decorated earthenware, table and toilet ware; electrical porcelain ware.

The C. & G. Cooper Company, Mount Vernon, Ohio. New York agent, F. W. Iredell, 1023 Havemeyer building. Corliss engines and complete steam plants.

Cooper, Wells & Co., St. Joseph, Mich. Cotton, woolen and merino hosiery, leggins and toques.

The Co-operative Foundry Company, Rochester, N. Y. "Red Cross" stoves and ranges.

Corbin Cabinet Lock Company, New Britain, Conn. New York office, 13 Murray street. Locks of all kinds, miscellaneous hardware, padlocks, trunk locks, dress suit case locks, chest locks, drawer locks, wardrobe locks, keys and key blanks, brass key tags, house letter boxes, post-office lock boxes and complete equipments. Sales for export effected through commission houses. Cable address, "Corbinlock," New York. Code, Lieber's.

P. & F. Corbin, New Britain, Conn. New York office, 11-13-15 Murray street. Locks, rim and mortise; cylinder door locks, Corbin unit locks; door knobs—wood, glass and metal; hinges and butts—brass, bronze and iron; frame pulleys—ball bearing and roller bearing; window fasts and lifts; transom hardware, ship hardware, door checks; cupboard and book-case bolts and catches; drawer and chest handles; shelf brackets; complete line of builders' hardware. Cable address, "Corbinlock," New Britain. Code, A B C.

Cornell Stocking Corporation, New Bedford, Mass. Cotton and worsted hosiery, seamless and full-fashioned.

Corning Glass Works, Corning, N. Y. Blanks for cutting; also chimneys, lantern globes, lenses, bulbs, tubing, ship lights.

The Cornwall & Patterson Manufacturing Company, Bridgeport, Conn. Piano and organ hardware.

Corona Kid Company, 95 South street, Boston, Mass. Factory at Bristol, Pa. Corona patent colt, Corona patent kid, and Corona Cordovan. Cable address, "Corona," Boston. Codes, Lieber's and Western Union.

The C. B. Cottrell & Sons Company, 41 Park Row, New York. Branch at 279 Dearborn street, Chicago. Works at Westerly, R. I. Printing machinery: magazine rotary presses; stop cylinder and two-revolution book presses; drum cylinder newspaper presses and job and news presses. Cable address, "Gidcurtly," New York. Codes, Atlantic Directory and private.

The Coulter & McKenzie Machine Company, Bridgeport, Conn. Special machinery designed and built to order; carriage and car spring machinery; taper rolling machines, for pointing steel bars, etc.; power presses, wire chain making machines for weldless chains, and automatic wire forming machines. Foreign agents: John Needham's Sons, Manchester. Cable address, "Mackenzie," Bridgeport. Code, Lieber's.

Courier Journal Job Printing Company, 334-338 West Green street, Louisville, Ky. Commercial and color lithograph printing; blank books; bank note and society engraving.

J. & T. Cousins, 373 De Kalb avenue, Brooklyn, N. Y. Women's boots and shoes in welt and turn process. Foreign agent: Emile Jonasson, 15 Hedemannstrasse, Berlin.

Covert Manufacturing Company, 1555 Fifth avenue, West Troy, N. Y. Balling irons, gale hooks; horse and cattle ties; harness, halter, breast, stall, stallion and rein chains; rope and web halters, halter leads, hitching weights and weight cords, hitching posts and hitching post chains, harness snaps, round eye and swivel snaps, and various other articles of saddlery hardware; hammock ropes; automobile, carriage and wagon jacks. Code, A B C.

Abram Cox Stove Company, American and Dauphin streets, Philadelphia, Pa. Foundries at Philadelphia and Lansdale, Pa. Heating and cooking stoves and ranges, gas ranges, Hot Air furnaces, Hot Water and Steam boilers for house heating. Cable address, "Cox," Philadelphia. Code, A B C.

G. P. Crafts, Manchester, N. H. Boston sample room, 105 Bedford street. Men's, boys', youths' and little gents' McKay sewed shoes.

Crafts, Harrington & Co., 97 Belmont street, Brockton, Mass. Shoes. Foreign agents: Colebrook & Knight, London.

The William Cramp & Sons' Ship and Engine Building Company, Beach and Ball streets, Philadelphia, Pa. New York office, 100 Broadway. Ships, engines and boilers (both land and marine), hydraulic machinery (turbines, pumps, presses, etc.) and mining machinery; Parsons manganese bronze and Parsons white brass. Cable address, "Cramps," Philadelphia. Code, A B C.

Crandal, Stone & Co., 336 Court street, Binghamton, N. Y. Carriage hardware and carriage materials, bow sockets, top braces, shifting rails, buckle loops, curtain lights and straps, wagon curtain patches, knob eyelets, top props and top prop nuts, tufting buttons and nails, knobs, curtain fasteners, and all hardware for carriage tops.

Crane Company, 10 North Jefferson street, Chicago, Ill. New York office, 490 Cherry street. Works in Chicago and New York. Other branches in Philadelphia, Baltimore, Cincinnati, St. Louis, Duluth, St. Paul, Minneapolis, Kansas City, Omaha, Sioux City, Fargo, Watertown, S. D., Salt Lake City, Spokane, Los Angeles, San Francisco, Seattle and Portland, Ore. Export offices at New York and San Francisco. Steam, gas, water and engine supplies; brass, iron and ferrosteel valves for all purposes; cast iron, malleable iron and ferrosteel fittings; wrought iron pipe, wrought iron pipe bends, and electrically operated valves; pipe bending, cutting and fitting to sketch. Foreign branch in London. Cable address, "Cranecoy," Chicago. Codes, A B C Fourth edition, Lieber's, Western Union and private.

Wm. M. Crane Company, 1131 Broadway, New York. Gas ranges and stoves and general line of gas appliances, water heaters, "Gem" self-lighting burners, gas controllers; coal stoves. Jobbers of gas tubing, brass fittings, instantaneous water heaters, coffee and tea urns. Cable address, "Vulcan," New York. Code, Lieber's.

The Crane & Breed Manufacturing Company, 1229 West Eighth street, Cincinnati, Ohio. Hearses and undertakers' supplies. Cable address, "Cranebreed," Cincinnati. Code, A B C.

C. Crane & Co., Inc., 1739 Eastern avenue, Cincinnati, Ohio. Oak and poplar lumber. Cable address, "Craneco," Cincinnati. Codes, Western Union and Standard Lumberman's.

Crane & MacMahon, 8 Bridge street, New York. Works at St. Marys, Ohio, and Richmond, Va. "Acorn," "Nut" and "Star" brands of hubs, spokes, rims, wheels, whiffletrees, etc.; hardwood lumber. Specialties: wheels, steel and rubber tired; automobile spokes and rims. Foreign branch in London, 42 Park street, Southwark. Foreign agent: Robert Ganz, Kaiser Wilhelmstrasse, 82, Hamburg. Cable address, "Invention," New York. Codes, Western Union, A B C Fourth edition and private.

The Crawford, McGregor & Canby Company. Offices at Dayton, Ohio. Works at Gaylord, Mich., and Clarendon, Ark. Last blocks, lasts, golf goods and bowling goods. Cable address, "Daytonlast," Dayton.

Cream of Wheat Company, Minneapolis, Minn. Cream of Wheat. Cable address, "Creamwheat," Minneapolis. Code, A B C.

C. F. Crehore & Son, 87 Milk street, Boston, Mass. Works at Newton Lower Falls, Mass. Press boards for plate presses, Jacquard loom pattern cards. Jobbers of fender boards. Cable address, "Effeminacy," Boston. Code, Adams Cable Codex.

The Crescent Machine Company, Leetonia, Ohio. Wood-working machinery, viz., band saw machines, band saw blades; jointers, also called hand planers and buzz planers; saw tables. Foreign agents: Hammacher, Delius & Co., Hamburg; Agar, Cross & Co., Buenos Aires. Cable address, "Crescent," Leetonia. Code, Lieber's.

George V. Cresson Company, Allegheny avenue, west of Seventeenth street, Philadelphia, Pa. New York office, 141 Liberty street. Power transmitting machinery; machine moulded gearing, iron and steel; cut gearing, iron and steel; rawhide gearing, insulated flexible couplings; rock breakers, crushing rolls; magnetic separators; speed counter shafts. Cable address, "Çresson," Philadelphia. Codes, A B C, Lieber's and Western Union.

Crew Levick Company, 113 Arch street, Philadelphia, Pa. New York office, 69 Wall street. Works at Warren and Chester, Pa. High grade cylinder oils, engine oils, special light filtered and dark cylinder oils, dynamo and neutral oils; refined petroleum, paraffine wax, illuminating oils, naphtha, gasoline, gas and fuel oils. Foreign branches in Liverpool and Kobe. Foreign agents: Arthur Brown & Co., London; René Absil, Brussels; Maschinenöl-Import Actien-Ges., Hamburg; Anton Baldus, Frankfort o/M. Cable address, "Crew," Philadelphia. Codes, A B C, Lieber's and private.

Crocker Chair Company, Sheboygan, Wis. Wood, cane and leather seat chairs. Cable address, "Crockchair," Sheboygan. Code, Western Union.

Howland Croft, Sons & Co., Camden, N. J. Worsted yarns. Cable address, "Linden," Camden.

The Crompton & Knowles Loom Works, Worcester, Mass. Works at Providence, R. I., and Philadelphia, Pa. Looms of every variety, and Noble combs. Foreign agents: Hutchinson, Hollingsworth & Co., Oldham, England. Cable address, "Hutchins," Worcester. Codes, A B C, Lieber's and Western Union.

The Cronk & Carrier Manufacturing Company, Elmira, N. Y. Factory at Montour Falls, N. Y. Barn door hangers, tracks and latches, stay rollers, hasp latches and staples; garden and lawn rakes, garden mattocks, weeding hoes, pliers, pruning shears and pocket cutlery; screw drivers, adjustable wrenches. Jobbers of "Little Giant" grass hooks. Foreign agent: Walter P. Notcutt, London. Cable address, "Cronk," Elmira. Code, Western Union.

John H. Cross, 244 Broad street, Lynn, Mass. Women's fine Goodyear welt, turned and McKay sewed boots and oxfords. Cable address, "Crox," Lynn.

Lewis A. Crossett, Inc., North Abington, Mass. Men's boots and shoes. Foreign agents: Erlanger & Galinger, Manila, P. I.; American Shoe Manufacturers' Syndicate, Coventry House, Finsbury, London, E. C.; S. M. Koopman, 31 rue de Londres, Paris. Cable address, "Clover." Code, Western Union.

The Crossley Manufacturing Company, East State and Monmouth streets, Trenton, N. J. Pottery, tile and electrical porcelain machinery; machinery for washing, filtering, grinding, mixing and forming clay.

Crouse & Brandegee, 28 Main street, Utica, N. Y. Buying office, 60 Leonard street, New York. Men's and young men's clothing.

Crouse-Hinds Company, 308 West Jefferson street, Syracuse, N. Y. New York office, 23 Dey street. Also sales offices in Boston, Chicago, Cincinnati and San Francisco. Knife switches, switchboards and panel boards; Norbitt specialties, headlights and the Crouse-Hinds Harpoon guy anchor. Jobbers of general electrical supplies. Cable address, "Crohinds," Syracuse. Codes, Lieber's and Western Union.

The Crowell Publishing Company, 120 West High street, Springfield, Ohio. Publishers of books and periodicals. Cable address, "Cropatrick," Springfield, Ohio.

The Crucible Steel Company of America, Frick building, Pittsburg, Pa. New York office, 71 Broadway. Works at Allegheny, McKees Rocks

and Aliquippa, Pa., Harrison and Jersey City, N. J., Syracuse, N. Y., and Canton, Ohio. Iron, steel and copper; tool steel and mining drill steel. Foreign agents: R. H. Wolff, Hamburg; Percy St. J. Tyrwhitt, London. Cable address, "Cramerica," Pittsburg and New York. All codes.

The Cudahy Packing Company, 11 Jay street, New York. Works at South Omaha, Neb. Packers: "Rex" canned meats, "Rex" provisions, pharmaceutical preparations, "Rex" beef extract and beef products. Refer to 11 Jay street, New York, for information in regard to foreign agents. Cable address, "Cudahy," New York and Omaha.

Cumberland Glass Company, Cumberland, Md. Blown glass table ware, tumblers, goblets, wine glasses, etc.

Cumberland Glass Manufacturing Company, Bridgeton, N. J. Works also at Minotola and Williamstown, N. J. Bottles, pressed glassware and window glass.

Cumberland Steel Company, Williams street and B. & O. R R., Cumberland, Md. Turned, ground and polished steel shafting; cold drawn steel shafting, squares, flats and hexagons; flange couplings, safety set collars. Cable address, "Shafting," Cumberland, Md. Codes, Western Union, Lieber's and A B C.

Cumberland Telephone and Telegraph Company, Nashville, Tenn. Telephone service.

The Cummings Company, Worcester, Mass. Men's cushion sole shoes.

Christopher Cunningham, Greenpoint avenue and Newtown creek, Brooklyn, N. Y. Horizontal tubular steam boilers, smokestacks and breechings; casings, troughs and wheel pits, storage and roof tanks; mash tubs, hop jacks, sugar pans and coolers, oil stills, etc.; rendering, hot water, pressure and blow-off tanks a specialty. Cable address, "Cunningham," Brooklyn. Code, A B C.

D. O. Cunningham Glass Company, Twenty-second and Jane streets, Pittsburg, Pa. Window glass, and beer and soda water bottles.

James Cunningham Son & Co., Rochester, N. Y. New York office, 1659 Broadway. Coaches, landaus, broughams, hearses and ambulances. Cable address, "Cunningham," Rochester.

Cyrus Currier & Sons, 365 Market street, Newark, N. J. Paper making machinery, garbage disposal machinery, smelters' and refiners' machinery, cranes for railroads and piers, calendering machines, embossing machines, rubber cloth and enameled cloth machinery, coating and varnishing machines, engravers' transfer presses; steam engines, hydraulic presses, hydraulic accumulators, draw-bridge machinery, drying room machinery, wire-drawing machinery; chilled iron, steel, copper and paper rolls.

Curtice Brothers Company, Rochester, N. Y. Factories at Vernon, N. Y., and Woodstown, N. J. Canned fruits, vegetables and meats; jams, jellies and preserves; plum puddings; "Blue Label" ketchup and soups. Cable address, "Curtice," Rochester. Codes, A B C, Lieber's and private.

H. C. Curtis & Company, 421-425 River street, Troy, N. Y. New York office, 137 Fifth avenue. Collars and cuffs.

Curtis & Co. Manufacturing Company, 2211 Washington avenue, St. Louis, Mo. New York office: Walter H. Foster, 126 Liberty street. Circular, long, inserted tooth, gang, drag and one-man saws; saw mills; lath and shingle machinery; edgers, trimmers; air hoists, air compressors, pneumatic elevators, hand cranes, pneumatic ice cranes, overhead trolley systems. Cable address, "Curtisaw," St. Louis. Codes, A B C and Western Union.

Curtis & Jones Company, 724 North Eighth street, Reading, Pa. Manufacturers of misses', children's and infants' turned shoes for the wholesale trade exclusively. Jobbers of full line of shoes and rubbers.

Curtis & Marble Machine Company, Worcester, Mass. Cotton and woolen machinery: burring, picking and mixing machinery for wool; cloth finishing machinery for cotton, woolen, worsted, and felt goods, plushes, velvets, carpets, rugs, etc.; shearing machines of all kinds.

Cushman & Hebert, Lynn, Mass. Boots and shoes, welts and McKays, for home and export trade.

Cutler Jewelry Company, 7 Eddy street, Providence, R. I. Seamless gold-filled, fire-gilt and electro-plated stone and band rings.

The Cutler-Hammer Manufacturing Company, Milwaukee, Wis. Motor starting rheostats, dynamo regulating rheostats, and electrical controlling devices of all kinds. Foreign agents: Sturtevant Engineering Co., London; Edge & Edge, Sydney. Cable address, "Cutler," Milwaukee. Codes, Lieber's and Western Union.

The Cutter Electrical and Manufacturing Company, 1728 Spring Garden street, Philadelphia, Pa. Electrical specialties; I. T. E. circuit breakers. Foreign agents: Robert W. Blackwell & Co., Ltd., London, Paris and Milan. Cable address, "Cutter," Philadelphia. Code, Lieber's.

The Dallas Manufacturing Company, Huntsville, Ala. Sheeting, 36-in. to 108-in., vase "chop" 36-in. for export. Sales agents: Deering, Milliken & Co., 79 Leonard street, New York.

Thomas H. Dallett Company, York street and Sedgley avenue, Philadelphia, Pa. Rope driven and electrically driven portable drills, boiler shell drills, hand drills, pneumatic tools. Foreign agents: Schuchardt & Schütte, Berlin, Cologne, Vienna, Brussels, Stockholm and St. Petersburg; C. W. Burton, Griffiths & Co., London. Cable address, "Dallettco," Philadelphia. Code, Lieber's.

Damascus Bronze Company, Pittsburg, Pa. Phosphor-bronze and Damascus bronze ingot metal; Damascus nickel-bronze, phosphor-bronze or Damascus bronze castings for locomotives, rolling mills, stationary engines, electric motors, etc.; Babbitt metals.

I. M. Darnell & Son Company, Memphis, Tenn. Lumber: white and red oak, plain and quartered; ash, poplar and cypress. Cable address, "Isadarson," Memphis. Code, Western Union.

Davenport Pearl Button Company, Davenport, Iowa, and 377 Broadway, New York. Pearl buttons in staple patterns and sizes for dry goods, jobbing and mill trade.

M. T. Davidson, 43 Keap street, Brooklyn, N. Y. Hydraulic and steam pumping machinery; air pumps and condensers.

Davidson Rubber Company, Caldwell street, Boston, Mass. Hard and soft rubber goods; druggists' and stationers' rubber goods. Cable address, "Nosdivad," Boston. Code, Western Union.

The Davis Boot and Shoe Company, 86 Lincoln street, Boston, Mass. Works also at Richmond, Va. Women's, misses', children's, boys' and youths' medium priced leather shoes; men's and women's felt shoes. Cable address, "Davisco," Boston. Code, Western Union.

Davis Brothers Rolling Mill and Spike Works, Davis Brothers, Twenty-ninth and Bristol streets, Philadelphia, Pa. Post-office address, station "Z." Small angles and square rods, the latter used in the manufacture of wrought-iron railroad, ship, bridge and wharf spikes. Annual capacity, 10,000 tons of finished products.

The Davis Chair Company, Marysville, Ohio. The "Twentieth Century" back resters; easily adjusted spring back chairs for stenographers, bookkeepers, office men and piano players; photographers' chairs. Cable address, "Backrest," Marysville. Code, Western Union.

The W. P. Davis Machine Company, 130 Mill street, Rochester, N. Y. Lathes, drills, cut-off machines, key seating machines, compression couplings. Jobbers of engines, boilers and a full line of mill tools and supplies. Foreign agents: Becker & Co., Osaka; Ernesto Breda & Co., Milan; De Fries & Co., Düsseldorf; A. Engelmann & Co., Liège; G. Koeppen & Co., Moscow; V. Löwener, Stockholm; Selig, Sonnenthal & Co., 85 Queen Victoria street, London; The Whitman & Barnes Mfg. Co., 149 Queen Victoria street, London; Pollock & McNab, Ltd., Manchester; Alfred Herbert, Coventry, England; Ph. Bonvillain, 6 rue Blanche, Paris. Cable address, "Sivad," Rochester.

The Davis Sewing Machine Company, Dayton, Ohio. Sewing machines and bicycles. Foreign agents: Vertical Feed Sewing Machine Company, London. Cable address, "Davwater," Dayton. Codes, A B C Fourth edition, Lieber's and Western Union.

Davis, Medary & Platz Company, Ltd., La Crosse, Wis. Harness leather.

Davol Rubber Company, 69 Point street, Providence, R. I. Fine rubber goods in soft and hard rubber for the druggist, surgical and stationery trades, and special goods of every description. Cable address, "Davol," Providence. Code, Western Union.

The Dayton Globe Iron Works Company, 833 South Ludlow street, Dayton, Ohio. Turbine water wheels, wood pulp grinders, beating and washing engines, and transmission machinery. Foreign agents: Wm. R. Dell & Son, London; Giordano & Mossello, Turin; Fredrik Jonson, Stockholm; Johnston & de Rivas, apartado 2394, Mexico City. Cable address, "Globe," Dayton. Codes, A B C Fourth edition, Western Union and Lieber's.

The Dayton Lumber and Manufacturing Company, Clinton and Bacon streets, Dayton, Ohio. Doors, sash, blinds and fine interior finish.

The Dayton Malleable Iron Company, West Third street, Dayton, Ohio. Malleable iron castings, railroad specialties, carriage hardware, wheel flanges, draft gear, brake wheels, torches, car door fasteners, brake levers and rail braces. Cable address, "Damico," Dayton.

The Dayton Manufacturing Company, Dayton, Ohio. Brass and bronze car trimmings of every description and for all kinds of passenger cars; lamps, water-closets for cars, dry closets for cars, switch locks, Avery's acetylene gas generators, Silvey's storage batteries, oil and electric headlights, automobile lamps, car bells, ratchet brake handles, water coolers, drawer pulls, metallic and flexible weather strips. Jobbers of earthenware for cars. Cable address, "Vapor," Dayton. Codes, A B C Fifth edition and Lieber's.

Dean Bros. Steam Pump Works, Tenth street and Senate avenue, Indianapolis, Ind. Steam pumps, duplex and single pumps, air pumps and condensers, vacuum pumps, surface condensers combined with air and circulating pumps; power and electric pumps. Cable address, "Deanpump," Indianapolis. Code, Western Union.

L. L. Dean & Co., Amsterdam, N. Y. Men's all wool knitted underwear, winter weight in scarlets, nine grades; solid colors, two grades; twelve shades, natural wool, three grades; camel's hair, three grades; black, two grades.

Deere & Co., Moline, Ill. Walking, breaking, sulky and gang plows, engine gang plows, walking and riding listers, gang listers, walking and riding cultivators and lever harrows. Cable address, "Deere," Moline. Codes, A B C Fifth edition, Lieber's, A 1, Anglo-American.

Deere & Mansur Company, Moline, Ill. New York agents: Arkell & Douglass, 11 Broadway. Corn planters and drills, disk harrows, seeders, disk cultivators, garden tools, sulky listers, sugar beet tools, hay loaders, side delivery rakes, sulky hay rakes, stubble diggers, corn shellers, corn huskers, horse powers. Foreign agents: Plano Manufacturing Co., London; R. Wallut & Co., Paris; Paul Behrens, Magdeburg; Watson & Youill, Bucharest; Agar, Cross & Co., Buenos Aires. Cable address, "Mansur," Moline. Codes, A B C Fifth edition, A 1 and Western Union.

Deere & Webber Company, 800 Washington avenue, North, Minneapolis, Minn. Jobbers of John Deere plows, harrows and cultivators; Deere & Mansur Co. corn planters, disk harrows, etc.

Deering, Milliken & Co., 79 Leonard street, New York. Cotton and woolen fabrics; brown and bleached cottons, 27 inches to 108 inches.

The Defiance Machine Works, Defiance, Ohio. Manufacturers of patent high grade woodworking machinery for making hubs, spokes, wheels, wagons, carriages, rims, shafts, poles, neck-yokes, singletrees, barrel hoops, handles of every kind, bobbins, spools, insulator pins, shoe lasts, gun stocks, wood pulleys, table legs, tenpins, and all variety of turned woodwork; also for making oval wood dishes, and for general woodwork. All machines thoroughly tested before shipment and fully guaranteed. 500-page catalogues in English, German and French furnished free. Export office, 71 Queen street, London, E. C. Foreign representatives: Schuchardt & Schütte, Berlin, Vienna, Stockholm and St. Petersburg; Alfred H. Schütte, Cologne, Brussels, Liège, Milan and Bilbao; Sussfeld, Lorsch & Co., Paris. Cable addresses: "Kettenring," Defiance, Ohio; "Propensity," London. Codes, A B C Fourth edition, Lieber's and private.

The Deisel-Wemmer Company, Lima, Ohio. Cigars.

Delany & Co., 209 North Third street, Philadelphia, Pa. New York office, 97 Beekman street. Glue and curled hair. Cable address, "Delwhit," Philadelphia. Codes, A B C Fourth edition and Harvey's.

The De Laval Separator Company, 74 Cortlandt street, New York. Factory at Poughkeepsie, N. Y. Cream separators. Cable address, "Lavalco," New York. Code, A B C Fifth edition.

De La Vergne Machine Co., Foot of East One Hundred and Thirty-eighth street, New York. Ice making and refrigerating machines and plants, gas and oil engines. Cable address, "Delavergne," New York. Codes, A B C Fifth edition and Western Union.

DeLoach Mill Manufacturing Company, 400 Highland avenue, Atlanta, Ga. Export and Eastern office, 120 Liberty street, New York; Western office, St. Louis, Mo. Portable and stationary saw mills and saw mill machinery and appliances; band saws; logging machinery; lath, stave and shingle mills; wheat, corn and feed mills; water wheels; hay presses, etc. Foreign agent: New York Export & Import Co., for Japan, China and India. Cable address, "Deloach," New York. Codes, A B C Fourth edition, Western Union and private.

The De Long Hook and Eye Company, 439 North Twelfth street, Philadelphia, Pa. The De Long patent hook and eye; other hooks and eyes; Cupid hair pins; skirt supporters. Cable address, "Hump," Philadelphia. Code, A B C.

The Deming Company, Salem, Ohio. New York office, 56 Pine street. Pumps and hydraulic machinery: cistern and pitcher spout pumps, hand and house force pumps, deep well pumps and standards, iron, brass and brass-lined cylinders, wind-mill three-way pumps and standards, deep well power pumping engines, artesian well brass working

barrels, hydraulic rams and pumping motors, triplex power pumps for every duty, rotary and double acting pumps, power pumps for all purposes, horse power pumps for various duties, railroad and factory pumps, spraying pumps and nozzles, garden and hand fire engines, irrigating pumps and cylinders. Jobbers of wrought iron pipe, brass goods and fittings, sinks and hydrants. Cable address, "Deming," Salem. Codes, A B C Fourth edition, Western Union and Manufacturers' Export.

Dempster & Place, 74 Bleecker street, Gloversville, N. Y. Gloves.

The Denver Engineering Works Company, Thirtieth and Blake streets, Denver, Col. General mining, milling and smelting machinery, electric mine hoists, electric rock drills and mine timber framing machines. Cable address, "Shepring," Denver. Code, Western Union.

The Denver Fire Clay Company, 1742 Champa street, Denver, Col. Assay furnaces, crucibles, muffles, scorifiers, fire clay tile and brick, laboratory crushers, borax glass, bone ash, assayers' and chemists' supplies. Jobbers of C. P. and heavy chemicals, cyanide, mercury, zinc shavings, assayers' and chemists' supplies. Cable address, "Fireclay," Denver. Code, Western Union.

Denver Sewer Pipe and Clay Company, 611 Continental building, Denver, Col. Sewer pipe, fire and paving brick, etc.

Derby Desk Company, 91 Franklin street, Boston, Mass. New York store, 145 Fulton street. Factories, Somerville, Mass. Roll and flat top desks, tables, etc. Foreign agents in nearly all parts of the world. Cable address, "Remlik," Boston. Code, private.

D. G. Dery, Catasauqua, Pa. New York office, 14 Greene street. Factories at Catasauqua, East Mauch Chunk and Allentown, Pa. Dress silks, 36-in. plain taffeta, peau de soie and satins.

The Detrick & Harvey Machine Company, 508 East Preston street, Baltimore, Md. Open side iron planers, horizontal drilling and boring machines, bolt threading and nut tapping machinery, ship yard and special machinery. Foreign agents: Chas. Churchill & Co., London; Paul Auriol, 76 Rue d'Assas, Paris; Otto Diechmann, Friedrichstrasse 138, Berlin. Cable address, "Detharvey," Baltimore. Codes, Lieber's and Western Union.

Detroit Copper and Brass Rolling Mills, McKinstry avenue and Wabash R. R., Detroit, Mich. Brass and copper in sheets, rolls, wire, rods and shapes for electrical and other uses; brazed and seamless tubing. Cable address, "Copper," Detroit. Codes, A 1 and Anglo-American.

The Detroit Lubricator Company, 23 Hodges building, Detroit, Mich. Sight-feed and plain lubricators, locomotive lubricators, brass and glass oilers, brass and glass oil pumps, multiple oilers, oiling devices, grease cups, boiler oil injectors, low water indicators, throttle and globe valves, steam and hot water radiator valves, etc. Cable address, "Deluco," Detroit. Codes, A B C, Lieber's and Western Union.

Detroit Oak Belting Company, 266 Wight street, Detroit, Mich. "Best Grade" oak tanned short lap leather belting; air brake and hydraulic valves, gaskets, etc.

Detroit Screw Works, Riopelle and Franklin streets, Detroit, Mich. Set and cap screws, studs, nuts and special turned pieces; iron, steel, brass or bronze screws or special pieces; also Reno hand screws (iron screws with metal bearings). Cable address, "Screworks," Detroit. Codes, Western Union and private.

Detroit Shipbuilding Company, Foot of Orleans street, Detroit, Mich. Steel and wooden ships of all descriptions, marine engines and boilers, steam steerers, hoisting machines, sheet metal work, brass castings,

metallic life boats, marine hardware of all kinds, steamfitting and plumbing. Cable address, "Dock," Detroit. Codes, Engineering and Western Union.

The H. P. Deuscher Company, Hamilton, Ohio. Corn planters, corn drills; garden plows, disk harrows, disk seeding harrows, soil pulverizers, land rollers; drag harrows, steel and wood; hay rakes, corn cultivators, disk cultivators, fence building machines, churns, letter copying presses. Cable address, "Roughwood," New York, and "Dasher," Hamilton. Codes, A B C and Lieber's.

Thomas Devlin Manufacturing Company, Lehigh avenue and Third street, Philadelphia, Pa. Factory, Burlington, N. J. Makers of fittings for steam, water and gas; saddlery, carriage, builders', awning, marine and grocers' hardware; hot-air registers; hot-water and steam radiators; scissors, shears and snips; coffee mills, tobacco cutters, measuring molasses faucets, self-priming and measuring molasses pumps, lard presses, sausage stuffers, fruit presses, and meat and food choppers. Markt & Struller Co., 193 West street, New York, South American agents; Markt & Co., European agents, 193 West street, New York, and Hamburg, London, Brussels and Paris. Cable address, "Gravlin," Philadelphia. Code, Western Union.

H. C. Dexter Chair Company, Black River, N. Y. Fancy rocking chairs, mahogany chairs; reed seat chairs, rockers and settees; summer furniture.

C. H. Dexter & Sons, Windsor Locks, Conn. High grade tissue and cover papers, tissue specialties, typewriter and carbon papers.

Dexter, Lambert & Co., Paterson, N. J. Mills also at Hawley and Honesdale, Pa. Silk manufacturers.

The Dey Time Register Company, Tully and Southwest streets, Syracuse, N. Y. Time registers.

Diamond Ice and Storage Company, Seattle, Wash. Ice; cold storage; fish-freezing (salmon, rock-cod, halibut). Cable address, "Diamondice," Seattle.

Diamond Machine Company, 9 Codding street, Providence, R. I. Grinding and polishing machines, disk grinders. Jobbers of endless emery polishing belts, cotton buff wheels and solid leather polishing wheels. Foreign agents: Chas. Churchill & Co., Ltd., London; Schuchardt & Schütte, Berlin; V. Löwener, Copenhagen; G. Koeppen, Moscow. Cable address, "Diamond." Codes, A B C and Lieber's.

Diamond Mills Paper Company, 44 Murray street, New York. Mills at Milburn and Bloomfield, N. J., and New Hampton and Saugerties, N. Y. White and colored tissue, batting tissue, toilet, copying, carbon coating, manifolding, grass bleached, manila and cigarette papers. Cable address, "Mondia," New York.

The Diamond Rubber Company, Akron, Ohio. Export office, 15 Warren street, New York. Rubber goods of all kinds: automobile, bicycle and carriage tires, solid tires, cushion tires; mechanical rubber goods—rubber belting, deckle straps, hose for any and all purposes, packings, paper mill rolls, tubing, unvulcanized gum; mechanical rubber molded goods—springs, valves, bumpers, rings, bands; miscellaneous molded goods—mats, matting; hard rubber—sheet, rod, tubing, battery jars, electrical specialties; tape—insulating, friction, armature, tire. Cable address, "Dirubco," Akron. Code, A B C Fifth edition.

A. B. Dick Company, 161 West Jackson boulevard, Chicago, Ill. Edison mimeographs and supplies. Foreign agent: B. R. Eenberg, 18 Place de Brouckere, Brussels, with exclusive agencies in all foreign coun-

tries. Cable address, "Dick," Chicago. Codes, A B C Fourth edition and Western Union.

W. S. Dickey Clay Manufacturing Company, New York Life building, Kansas City, Mo. Works also at Deepwater, Mo. Vitrified sewer pipe, railroad culvert pipe, electrical conduits; wall coping and fire proofing; well tubing, partition tile, chimney tops, farm drain tile and brick, clay pigeons. Cable address, "Dickey," Kansas City.

W. J. Dickey & Sons, Inc., 623-627 West Pratt street, Baltimore, Md. New York office, 88 Leonard street. Manufacturers of cotton duck and woolen goods for men's wear; all wool kerseys, cheviots, cassimeres and overcoatings. Cable address, "Yekoid," Baltimore.

The Dickey-Sutton Carbon Company, Lancaster, Ohio. All kinds of electric light carbons, battery carbons, carbon brushes, carbon specialties. Export agency: The Western Electric Co., 22 Thames street, New York.

R. E. Dietz Company. Main office and factory, 60 Laight street, New York. Factory also at Syracuse, N. Y. Tubular, railroad, hand, hurricane and police lanterns; tubular, street, wall, driving, automobile, bicycle, engine and switch lamps; acetylene gas lamps for automobiles. Foreign branch: Saracen Chambers, Snow Hill, E. C., London. Cable addresses: "Dietz," New York, and "Poristical," London. Code, Lieber's.

J. F. Dietz & Co., 309 West Third street, Cincinnati, Ohio. Office desks and tables. Foreign agents: Schmidt & Vohs, Bremen; Wm. Achgelis, Hamburg; Van Gils & Van der Meer, Rotterdam; Spock, Limited, London; Arch'd Stewart & Co., Glasgow; C. Simpole, Manchester. Cable address, "Favorite," Cincinnati. Codes, A B C and Lieber's.

Dill & Collins Company, 20 South Sixth street, Philadelphia, Pa. Printing papers for books and catalogues; plate papers, surface coated for lithographing and color printing. Cable address, "Philcol," Philadelphia. Code, A B C Fourth edition.

Dilworth, Porter & Co., Ltd., German National Bank building, Pittsburg, Pa. Railroad and boat spikes and tie plates. Codes, A B C, Lieber's and Manufacturers' Export.

The Dimmick Pipe Company, Birmingham, Ala. Cast iron water and gas pipe and pipe fittings; hydrants and valves, locomotive and elevator cylinders, furnace castings, sugar house pans, etc. Cable address, "Dimmick," Birmingham. Codes, A 1, Western Union and Atlantic Directory.

Henry Disston & Sons, Inc., Philadelphia, Pa. Saws: circular, band, mill, gang, ice, crosscut, hand, back, web, pruning, hack, compass, butchers', wood, etc.; trowels: brick, pointing and plastering; tools: squares, bevels, plumbs and levels, screwdrivers, mandrels, gummers, saw sets, etc.; cane, hedge and corn knives; post hole diggers, files of all kinds and descriptions; sheet steel, bar steel, etc. Cable address, "Disston," Philadelphia. Codes, A B C Fourth and Fifth editions and Lieber's.

Divine Brothers Company, Utica, N. Y. Polishing wheels and buffing wheels. Jobbers of polishing supplies. Foreign agents: Chas. Churchill & Co., London, Glasgow, Birmingham and Manchester; Schuchardt & Schütte, Berlin, Brussels, Vienna, Paris, Stockholm, St. Petersburg, Bilbao, Liège, Milan and Cologne. Cable address, "Vinebuff," Utica. Code, Lieber's.

Joseph Dixon Crucible Company, Jersey City, N. J. Branches: 68 Reade street, New York; 1020 Arch street, Philadelphia; Monadnock block, Chicago; Farmers' Bank building, Pittsburg; 304 Market street, San Francisco. Black lead crucibles, lubricating graphite, lead pencils, graph-

ite paint, stove polish and other graphite manufactures. Foreign agents: Joseph Dixon Crucible Company, London; G. E. Beikart, Muidergracht 38, B., Amsterdam; C. Dubbelman, 198 boulevard du Hainaut, Brussels; Wanner & Co., Horgen, Switzerland; Persicaner & Co., Vienna and Berlin; R. Bohne, Wierzbowa 6, Warsaw; Wanner & Co., Paris; J. E. Cronwal, Helsingfors; R. d'Aulignac, Barcelona; A. H. Paulsen, Bergen; Gustav Halberstadt, 47 Vimmelskaftet, Copenhagen; Abescassis Bros., Lisbon; Blasco & Co., Havana. Cable address, "Graphite," Jersey City. Codes, Western Union, Lieber's and A B C Fourth edition.

Dodge Manufacturing Company, Mishawaka, Ind. New York office, 43 Dey street. Other branches at Boston, Chicago, Cincinnati, Philadelphia, Milwaukee and London. Power transmission machinery: fly, balance and rope wheels, wood and iron split pulleys, iron center wood rim pulleys, hangers and pillow blocks, couplings, heavy shafting, friction clutch pulleys, friction cut-off couplings and rope transmission apparatus. Foreign agents: Isaac Braithwaite & Son, London; also at Liverpool, Kendal, Birmingham and Dublin; Paul Roux & Co., Paris. Cable addresses, "Dodmanco," New York, and "Dodge," Mishawaka. Code, Lieber's.

Dodge-Davis Manufacturing Company, Bristol, N. H. Fine flannels.

Dodge & Olcott, 86 William street, New York. Branch offices in Boston, Chicago, Philadelphia and St. Louis. Factory and laboratory, Bayonne, N. J. Essential oils, including bay, caraway, cedar, cloves, croton, cubebs, orrisroot, patchouly, peppermint, sandalwood, sassafras, spearmint, tansy, wintergreen, wormseed and wormwood. Also importers of and dealers in crude balsams, drugs, roots, etc. Agents for W. Sanderson & Sons, Messina, Sicily; De Laire & Co., Paris, and Cresp-Martinenq, Grasse, France. Cable address, "Dodgolcott," New York. Codes, Lieber's and A B C Fourth edition.

Dodson-Braun Manufacturing Company, Third and Cedar streets, St. Louis, Mo. Baking powder, bluing, capers, catsups, mustard; mustard and horseradish; pickles, sweet and sour; vinegars, relishes, fruit butters, fruit juices; fruits crushed, jams, jellies, preserves, manila relish; marmalades, mince meat, olives, chili sauce, salad dressing; pepper and table sauces; table syrups, flavoring extracts, celery salt, sauerkraut, etc.

Doernbecher Manufacturing Company, Portland, Oregon. Bed-room suites, dressers, chiffoniers, sideboards, commodes, beds, extension tables, dressing tables, stands.

The Doherty & Wadsworth Company, Paterson, N. J. Salesrooms, 140 Spring street, New York. Dress and tie silks; grenadines, crepe de chine, foulards, prints, millinery and necktie silks.

Estate of William S. Doig, 54-56 Franklin street, Brooklyn, N. Y. Box nailing machines. Foreign agents: A. B. Miller & Co., 21 Godliman street, London, and 15 Pitt street, Glasgow. Cable address, "Doig." Codes, Lieber's and A B C Fourth edition.

R. R. Donnelley Sons Company, 149 Plymouth place, Chicago, Ill. Engravings, catalogues, books, and all printing and binding products. Cable address, "Lakpress," Chicago. Code, Adams.

C. Dorflinger & Sons, 36 Murray street, New York. Works at White Mills, Pa. Plain and cut crystal, thin blown tumblers, high grade lamp chimneys and druggists' glassware.

The J. F. W. Dorman Company. Office and factory, 526 North Calvert street, Baltimore, Md. Printing presses; rubber stamp vulcanizers and all kinds of rubber stamp machinery, cutters, rubber stamp inks and

pads, steel stencil dies; medals, brass and aluminum badges and checks, baggage checks; corporation and wax seals; brass signs and memorial plates, steel stamps; stencil paste and rubber type. Jobbers of rubber stamp supplies and printers' type and supplies. Cable address, "Dorman," Baltimore. Code, Western Union.

Doubleday-Hill Electric Company, 919 Liberty avenue, Pittsburg, Pa. Switchboards, tablet boards, locust pins, magnet coils, electrical experimental apparatus, etc. Jobbers of arc lamps, incandescent lamps, dynamos, motors, electrical supplies of every description. Cable address, "Doublehill," Pittsburg.

R. H. Downman, 1003-1005 Hibernia building, New Orleans, La. Red cypress lumber, shingles and lath; cypress sash, doors, blinds and interior finish; cypress tanks.

Draper Company, Hopedale, Mass. Northrop patent looms; Draper, Whitin and other high speed patent spindles; double adjustable spinning rings, Rhoades-Chandler separators, Dutcher's patent temples, spoolers, warpers, twisters and patented improvements for many kinds of cotton machinery. Foreign correspondents: British Northrop Loom Co., Ltd., Manchester; Société Alsacienne de Constructions Mécaniques, Mulhouse and Belfort; Ateliers de Construction Ruti, Ruti, near Zurich; Isaac Mautner & Sohn, Vienna; Samuel Walker & Co., Lille; Northrop Iron Works, Valleyfield, Prov. of Quebec; J. M. Anderson, Mexico City; James Mitchell & Cia., Rio de Janeiro. Cable address, "Draper," Boston. Code, A B C Fifth edition.

The Drew-Selby Company, Portsmouth, Ohio. New York office, Jefferson building, 121 West Twenty-third street. Manufacturers and shippers of ladies' fine and medium grade shoes. Cable address, "Drew selby," Portsmouth, Ohio. Code, Western Union.

Ducker Company, 277 Broadway, New York. Portable and ready-made houses, for all purposes and climates; doors, sashes, trim, etc. Foreign departments: for Mexico, Central America and West Indies, 66-68 Broad street, New York; for Great Britain, London; for South Africa, Cape Town. Cable address, "Porthouse," New York. Codes, A B C Fourth edition, Western Union and Lieber's.

Dugan & Hudson Company, corner Allen and Sophia streets, Rochester, N. Y. Boys' and girls' high grade shoes, in welt turns and McKay sewed.

J. G. Duke Machine Works, Memphis, Tenn. Ward's improved hoop machinery for cut or sawed hoops; coilers, planers, pointers and lappers. Jobbers of boilers, engines, saw mills, steam pumps, shafting and hangers, and mill supplies.

J. H. Duker Box Company, 1401 Canton avenue, Baltimore, Md. Wooden packing boxes and shooks; also crates made up and in shooks.

Duncan Electric Manufacturing Company, Lafayette, Ind. Electricity meters; direct current integrating wattmeters.

Duncan Foundry and Machine Works, Fifth, Sixth and Plaza streets, Alton, Ill. Mining cars, cages, fans, revolving and shaker screens; car irons, wheels and axles; mining supplies and box car loaders. Jobbers of engines, boilers, etc.

The Duncan & Miller Glass Company, Washington, Pa. Goblets, tumblers, pressed glass lamps, all kinds of table glassware and specialties. Foreign agents: Nicolaus Franz Nachfolger, Frankfort o/M; United States Glass Co., London.

Dungan, Hood & Co., Inc., 2100 North American street, Philadelphia, Pa., and 146-154 Lincoln street, Boston, Mass. Glazed kid, black and colored, and dull or mat kid, for shoe manufacturers' use. Foreign agents: John S. Deed & Sons, Ltd., London; Emile Pétry & Co., Paris;

A. M. Schiff, Frankfort o/M; Ullathorne, Hartridge & Co., Ltd., Melbourne. Cable addresses: "Dunhood," Philadelphia; "Hooddun," Boston. Codes, A B C Fourth edition, Western Union and Lieber's.

Dunham, Carrigan & Hayden Company, 17 to 23 Beale street and 18 to 24 Main street, San Francisco, Cal. New York office, 127 Duane street. Also branch at Seattle, Wash. Jobbers of hardware, iron, steel, pipe fittings, brass goods, mining supplies, house furnishing goods, cutlery, sporting goods, electrical supplies. Cable address, "Dunham," San Francisco. Codes, Western Union and A B C Fifth edition.

Dunn & McCarthy, Auburn, N. Y. Ladies', misses' and children's fine shoes. Export agents: Morse & Rogers, New York. Foreign agents: C. W. Randall & Co., London. Cable address, "Kanatena," Auburn.

Duquesne Reduction Company, Pittsburg, Pa. Smelters and refiners of metals.

Durand & Co., 49 Franklin street, Newark, N. J. 14-kt. and 18-kt. gold jewelry: diamond mountings, seal rings, lockets, brooches, scarf pins, etc. Cable address, "Durand," Newark. Code, Western Union.

The C. H. Dutton Company, Kalamazoo, Mich. Vertical and horizontal steam engines, Jewel automatic side crank engines with Rites governor, vertical and horizontal stationary and portable boilers, Ideal Economist boilers and Eureka feed cookers. Export agents: Henry W. Peabody & Co., New York. Cable address, "Amgates," Kalamazoo. Code, Western Union.

The Eagle Bicycle Manufacturing Company, Torrington, Conn. High grade bicycles, especially equipped for export trade; Forstner's brace and machine bits, marine and stationary gasoline engines; rivets, screws and threaded wires made to order in special designs and sizes. Cable address, "Eagle," Torrington. Codes, A B C Fourth and Fifth editions, A 1, Lieber's and Western Union.

Eagle Cotton Mills Company, Madison, Indiana. Brown sheetings, carpet warp, yarns, twine, cordage, etc.

The Eagle Foundry and Machine Company, 1024 Main street, Allegheny, Pa. Pumping and coal mining machinery: hoisting engines, hoists and steam pumps.

Eagle Iron Works, Des Moines, Iowa. Hoisting and winding engines, mine ventilating fans, mining cages, mine cars, screens, conveyors, general mine equipment, clay crushers. Cable address, "Eagleworks," Des Moines. Code, Western Union.

The Eagle White Lead Company, 1030 Broadway, Cincinnati, Ohio. New York office, 54 Maiden Lane. White lead, dry and in oil; red lead, litharge and orange mineral.

Eagle and Phenix Mills, Columbus, Ga. Colored cotton and woolen goods: Rescue plaids, 27 inches; kimono outings, 27 inches; Beauvais cottonades, 28 inches; cable cottonades, 27½ inches; E. & P. denims, 29 inches; Hickory shirting, 28 inches; kerseys, 28 inches; convict cloths, 28 inches; tickings, 32 inches; E. & P. ball thread; cotton rope, 3/16 to ⅝ inch. Export agents: Frederick Vietor and Achelis, sole selling agents, 66 Leonard street, New York. Cable address, "Eagle," Columbus. Codes, Western Union and Atlantic Directory.

Earl & Wilson, 33 East Seventeenth street, New York, and 242-246 Jackson boulevard, Chicago, Ill. Factory at Troy, N. Y. Linen collars, cuffs and shirts for men.

The Earle Gear and Machine Company, Oxford and Mascher streets, Philadelphia, Pa. Machine cut gearing (metal and raw-hide); spur, bevel and miter gearing; worm or spiral gears, racks, internal gears, iron working and special machinery.

East Liverpool Potteries Company, East Liverpool, Ohio. New York office, 76 Park place. Works at East Liverpool and Wellsville, Ohio. Crockery (semi-porcelain): dinner and toilet ware.

East Tennessee Coal Company, 306 Union avenue West, Knoxville, Tenn. Mines at Jellico, Tenn. Miners of bituminous coal.

The Eastern Granite Roofing Company, 2 Hudson street, New York. "Perfected Granite" roofing, stone and sand surfaced roofing.

Eastern and Western Lumber Company, North Front street, Portland, Oregon. Fir and spruce lumber. Cable address, "Eastlumber," Portland. Codes, A 1, A B C and Telecode.

S. L. Eastman Flooring Company, Saginaw, Mich. Maple flooring and maple lumber. Cable address, "Eastman," Saginaw. Code, Western Union.

Eastman, Gardiner & Co., Laurel, Miss. Yellow pine lumber. Export agents: Reeves & Powell Lumber Company, New Orleans, La. Cable address, "Gardiner," Laurel.

Eastman Kodak Company, Rochester, N. Y. Kodaks, films, dry plates, photographic papers and appurtenances for photography, both amateur and professional. Foreign connections: Kodak, Ltd., London, Liverpool, Glasgow, Brussels, Vienna, St. Petersburg, Moscow and Melbourne; Société Anonyme Eastman Kodak, Paris and Lyons; Kodak Gesellschaft, Berlin; Società Kodak, Milan. Cable address, "Kodak," Rochester. Codes, A B C, Western Union and Atlantic Directory.

Easton & Burnham Machine Company, Pawtucket, R. I. Spindles, winding machinery.

The Eastwood Wire Manufacturing Company, Belleville, N. J. Papermakers' wire cloth, pulp digester castings and fittings, valves and steam fittings.

Charles A. Eaton Company, 157 Centre street, Brockton, Mass. Goodyear welt shoes for men.

The Eaton, Cole & Burnham Company, 253 Broadway, New York. Works at Bridgeport, Conn. Brass and iron goods for water, steam and gas; globe and gate valves, cocks and fittings; extra heavy valves and fittings for high pressure electric plants; pipe threading machines, stocks and dies and steam fitters' tools. Cable address, "Eatoncole," New York. Codes, Lieber's, A B C and private.

J. Eavenson & Sons, Inc., Twentieth and Wood streets, Philadelphia, Pa. Soaps for family and laundry; soaps for textile mills, dyers and scourers; scouring compounds; toilet soaps; cotton softeners. Cable address, "Eavenson," Philadelphia. Code, private.

The Eberhard Manufacturing Company, Cleveland, Ohio. Malleable iron castings; saddlery hardware and iron hames; carriage and wagon hardware; clevises for plows; carriage makers' screw clamps; tinners' supplies, such as kettle ears, saucepan handles; chain makers' swivels; "X" bars and tees; rubber pad steps for carriages; chain repair links. Cable address, "Champney," Cleveland. Codes, A B C and Western Union.

Eckfeldt & Ackley, 51 Lawrence street, Newark, N. J. 14-kt. gold and silver lockets, links, studs and scarf-pins. Cable address, "Layfeld," Newark. Code, Western Union.

Eclipse Machine Company, Elmira, N. Y. Coaster brakes for bicycles and motor cycles. Foreign agents: Romain Talbot, 6 Holborn Viaduct, London, and 67 rue de la Victoire, Paris; F. O. Warrick, Nürnberg, Bavaria; Paul Christensen, Copenhagen; Amerikansk Cycle Import, Stockholm. Cable address, "Eclipse," Elmira. Codes, Lieber's and A B C.

The C. A. Edgarton Manufacturing Company, Shirley, Mass. New York office, 256 Church street. Suspenders and garters: the "President" suspenders; the "Cyclo" ball bearing suspenders; the "Shirley Make" suspenders; "Ball Bearing" garters for men. Cable address, "Edgarton," Shirley.

The Edison Phonograph Works, Orange, N. J. Edison phonographs, phonograph records and attachments; Edison primary batteries, Edison fan motors, Edison projecting kinetoscopes and films; Bates and Edison automatic hand numbering machines. Foreign agents: National Phonograph Company, Ltd., London. Cable address, "Kurilian," New York. Codes, A B C and Lieber's.

The Edwards Lumber and Coal Company, Long Branch, N. J. Cabinet work, mantels, special furniture, doors, sashes, blinds and special house trimmings.

Eichbaum Company, Bessemer Power building, Cecil way, Pittsburg, Pa. Store room and sales office, 26 Fifth street. Blank books, loose leaf ledgers and systems, card index systems; printing, engraving and binding work of every description.

The Eisenstadt Manufacturing Company, 209 North Seventh street, St. Louis, Mo. Manufacturers of fine gold jewelry and artistic diamond mountings. Jobbers of American watches. Importers of diamonds and precious stones.

The Elbel Company, Canton, Ohio. Manufacturers of saddlery hardware, wrought iron gig and coach hames; malleable, wrought and steel bits; buckles, rings, snaps, cock eyes, hooks and terrets; stirrups and spurs. Cable address, "Elbel," Canton. Code, A B C.

The Electric Vehicle Company, Hartford, Conn. Electric and gasoline automobiles of every description. Foreign agents: City and Suburban Electric Carriage Company, London; Michael Kadar, Berlin; Electromotion, 54 Avenue Montaigne, Paris; Charles L. Seeger, Mexico City. Cable address, "Automobile," Hartford. Codes, Lieber's, A B C Fourth edition and Western Union.

Electric Wheel Company, Quincy, Ill. Steel wheels for wagons and carts, steel wagons, steel axles, hickory axles fitted with steel or iron skeins, dump carts, sugar cane carts and wagons, heavy truck cars for traction engines, special trucks, wagons and wheels for any purpose. Cable address, "Electric," Quincy. Code, Western Union.

Electrical Manufacturers' Export Company, 29 Broadway, New York. Works: Stanley Electric Manufacturing Company, Pittsfield, Mass.; Northern Electrical Manufacturing Company, Madison, Wis.; Sprague Electric Company, 527 West Thirty-fourth street, New York; Fort Wayne Electric Works, Fort Wayne, Ind.; General Incandescent Arc Light Company, 529 West Thirty-fourth street, New York. Power, lighting and street railway electrical apparatus, complete in every respect; also a complete line of electrical supplies. Foreign agents: V. M. Braschi & Cia., Mexico City. Cable address, "Selemco," New York. Codes, Lieber's, Western Union, A B C and Anglo-American.

Elgin Butter Tub Company, 119 North State street, Elgin, Ill. Whiteash butter tubs and cheese boxes. Jobbers of creamery supplies. Cable address, "Buttertub," Elgin, Ill.

Elgin National Watch Company, 131 Wabash avenue, Chicago, Ill. New York office, 11 John street. Factory at Elgin, Ill. Watch movements. Export agents: Keystone Watch Case Co., Philadelphia, Pa.

Elgin Packing Company, Elgin, Ill. Canned vegetables, such as sugar corn, baked beans, pumpkin and Lima beans.

Elgin Silver Plate Company, Elgin, Ill. Coffin hardware; coffin and casket handles, name plates, ornaments and trimmings. Cable address, "Coffinhard," Elgin. Code, Western Union.

Elk Tanning Company, 329 Main street, Ridgway, Elk county, Pa. Works in thirty-three different towns of Pennsylvania. Hemlock (acid and non-acid), Union crop and oak sole leather. Export agents: The United States Leather Company, 28 Ferry street, New York. Cable address, "Unit," New York.

Elkhart Carriage and Harness Manufacturing Company, Elkhart, Ind. Carriages, pleasure and light business vehicles, and harness. Cable address, "Pratt," Elkhart. Code, Western Union.

The Elliott Company, 100 Purchase street, Boston, Mass. Addressing and stencil cutting machines. Cable address, "Addressing," Boston. Code, Western Union.

Elliott-Fisher Company, 329 Broadway, New York. Works at Cleveland, Ohio, and Harrisburg, Pa. Manufacturers of typewriters, book typewriters and billing machines. Jobbers of typewriter ribbons, carbon papers, loose leaf binders, invoice and order forms. Foreign offices: London, Manchester, Glasgow and Paris. Foreign agents: Germany: Schafer & Co., 74 Lindenstrasse, Berlin, and Zeiss & Co., 36 Kaiserstrasse, Frankfort o/M; Denmark: Emilius Moller, Copenhagen, and C. F. M. Knudsen Fredericiagade 15, Copenhagen; Sweden: Gumaelius & Komp, Stockholm; Holland: J. A. Ruys, Rotterdam; Belgium: L. Kalker, Antwerp; Switzerland: Schmassmann & Co., Zurich; Italy: E. Pesaro Maurogonato, Foro Bonaparte 12, Milan; South Africa: The Book Typewriter & Agency, Ltd., Cape Town, and The Technical & Commercial Corporation, Johannesburg; Australia: Peacock Bros., Melbourne; New Zealand: Yerex, Barker & Finlay, Ltd., Wellington, and J. O. Barnard, 164 Hereford street, Christchurch; Japan: Teijiro Kurosawa, Yazayemon-Cho-Kyobashi-Ku, Tokyo; South America: H. E. Atterbury, 67 Reconquista, Buenos Aires. Cable address, "Bookwriter," New York. Code, Western Union.

Elmira Knitting Mills, Elmira, N. Y. New York agents: Wm. Iselin & Co., Canal and Greene streets. Men's knit underwear.

Elmwood Mills, Dexter and Daboll streets, Providence, R. I. All kinds of Tubular and Himalaya shoe laces.

The Embossing Company, 20 Pruyn street, Albany, N. Y. New York office, 377 Broadway. Dominoes, checkers and children's toy blocks. Foreign agents: Sellers & Nichols, London. Cable address, "Teco," Albany. Code, Western Union.

Emerson Drug Company, 308 West Lombard street, Baltimore, Md. Emerson's bromo-seltzer, Emerson's cure for cold in the head, Emerson's rheumatic cure; phospho-aperient. Foreign agents: John Morgan Richards, 46 Holborn Viaduct, London, E. C.; Roberts & Co., Paris; Chas. Markell & Co., Sydney. Cable address, "Emerson," Baltimore. Codes, A B C Fourth edition, Anglo-American and Western Union.

Emerson Manufacturing Company, Rockford, Ill. Plows, riding, walking and disk; listers, riding and walking; middlebreakers, harrows, disk harrows, stalk cutters; cultivators, riding and walking; surface cultivators; seeders for disk harrows; roller pulverizers; corn and cotton planters; hay rakes, hand and self-dump; mowers, 3½, 4½, 5, 6, 7 and 8 feet cut. Foreign agent: H. Kleinfeller, Leigh, Lancashire, England. Cable address, "Emerson," Rockford. Codes, A B C Fourth edition and private.

Emerson Piano Company, 120 Boylston street, Boston, Mass. Factory at 560 Harrison avenue. Pianofortes.

Emerson, Smith & Co., Ltd., Beaver Falls, Pa.; branch, 70 South Forsyth street, Atlanta, Ga. Manufacturers of solid toothed circular saws, chisel toothed circular saws, inserted toothed circular saws, band saws; gang, drag, mulay, mill and crosscut saws; saws for hot and cold iron, slate saws, saw swages. Cable address, "Emersonsaw," Beaver Falls. Codes, Atlantic Directory and Western Union.

Geo. D. Emery Company, 11 Broadway, Chelsea, Mass. Mahogany and Spanish cedar lumber and veneers. Foreign agents: The Segar-Emery Co., Ltd., Blackwall lane, East Greenwich, London, S. E. Cable address, "Indiana," Boston. Codes, Western Union, A B C, Watkins, Cosmopolitan, Scott, Adams and Bedford McNeill.

The Empire Plow Company, 389 Tod street, Cleveland, Ohio. Works at Cleveland, Ohio, and Ensley, Ala. (Birmingham district). Agricultural implements: cultivators, harrows, turning plows, arranged for use with horses or oxen; single shovel and double shovel plows for cultivating; coulters, plow wheels, accessories for cultivators, all steel single-trees and double-trees, etc. Cable address, "Empire," Cleveland. Code, A B C Fourth edition.

Empire Rubber Manufacturing Company, Trenton, N. J. New York office, 88-90 Reade street. Mechanical rubber goods—hose, belting, packing; carriage cloth, both rubber and enamel; moulded and perforated mats, bicycle and carriage tires, and rubber thread. Cable address, "Caucho," Trenton. Code, A B C.

The Emrich Furniture Company, Indianapolis, Ind. Sideboards and buffets; chairs and rockers.

Endicott Johnson Company, Lestershire, N. Y., and 66 Lincoln street, Boston, Mass. Works, Lestershire and Endicott, N. Y. Shoe manufacturers and tanners of oak sole leather.

The Engelberg Huller Company, Syracuse, N. Y. New York office, 333 Produce Exchange. Rice hullers, polishers, and hullers and polishers combined; rice shellers, rice graders, threshers and separators; coffee hullers; coffee huller-polishers and separators combined; power and hand fans for cleaning rice, coffee and other cereals; "Halstead" attrition feed and meal mills; pure food mills ("Tortilla") for family use. Jobbers of coffee and rice machinery of all kinds; elevators, shafting, pulleys, belting, hangers, etc. Foreign agents: Allen, Alderson & Co., Alexandria; Marshall, Sons & Co., Calcutta; McBeth Bros. & Co., Bombay; Sommer, Hermann & Co., City of Mexico; Kerkhoven & Mazel, Tjibadak, Java; James Jones & Co., Shanghai; Riley, Hargraves & Co., Singapore; Oakes & Co., Madras; J. Soga, Yokohama; José P. Tebyriçá & Upton, São Paulo, Brazil; Divizia & Cohen, Chiclayo, Peru. Cable addresses: "Engelberg," Syracuse, and "Huller," New York. Codes, A B C Fourth edition, Atlantic Directory, Lieber's and Western Union.

England, Walton & Co., Inc., Third and Vine streets, Philadelphia, Pa. Other works at Tannery Station, Maryland; Harrisonburg, Va.; Newport and Walland, Tenn., and Waynesville, N. C. Sole and belting leather, Texas sole leather. Cable address, "Unaka," Philadelphia. Code, Widebrook.

Ensign, Bickford & Co., Simsbury, Conn. Safety fuse. Cable address, "Ensign," Simsbury.

Enterprise Lumber Company, Prudential building, Atlanta, Ga. Mills at Pitts and Worth, Ga. Yellow pine lumber. Cable address, "Enterprise," Atlanta. Code, Atlantic Directory.

Enterprise Manufacturing Company, Augusta, Ga. Bleached and brown sheetings, shirtings and drills; 36-inch, 3 and 4-yard sheetings, bleached or in the brown; 30-inch 3.60-yard drills. Cable address, "Enterprise," Augusta. Code, A B C Fourth edition.

The Enterprise Manufacturing Company of Pennsylvania, Third and Dauphin streets, Philadelphia, Pa. New York office, 10 Warren street. Meat choppers, meat juice extractors, sausage stuffers; lard, fruit, wine and jelly presses; coffee, bone, shell and corn grinding mills; cold-handle sad-irons, bunghole borers, lawn mowers and lawn sprinklers, self-measuring pumps and faucets, raisin seeders. Foreign agents: Hammacher, Delius & Co., Hamburg; John G. Rollins & Co., London; Roux Frères & Cie., Paris; J. Darimont & Cie., Brussels; A. Bannwart, Zurich; J. E. Andersen, Finnhyttan, Kopparberg, Sweden; Betteley & Co., Valparaiso; Caverhill, Learmont & Co., Montreal. Cable address, "Enterprise," Philadelphia. Codes, A B C, Adams Cable Codex, Lieber's and Manufacturers' Export.

Enterprise Paint Manufacturing Company, Peoria and Van Buren streets, Chicago, Ill. Ready mixed paints, floor and wagon paints, white lead and colors in oil. Jobbers of brushes, varnishes and calcimine. Cable address, "Prisepaint," Chicago. Code, Western Union.

Epping-Carpenter Company, Forty-first street and A. V. R. R., Pittsburg, Pa. New York office, 141 Broadway; Cleveland office, New England building. Hydraulic accumulators, air compressors, steam condensers; pumping engines and steam pumps, air pumps, artesian pumps, beer pumps, boiler feed pumps, deep well pumps, fire pumps, irrigation pumps, mine pumps, vacuum pumps. Cable address, "Eppcar," Pittsburg. Code, Lieber's.

Equitable Meter Company, 439 to 449 Water street, Pittsburg, Pa. Proportional station meters and automatic line governors for gas works; cast iron gas service meters and sensitive low pressure gas regulators or governors.

Equitable Powder Manufacturing Company, St. Louis, Mo. Works at East Alton, Ill. Blasting, mining and sporting powder; dynamite, caps, exploders and blasting supplies; empty and loaded shot-gun shells. Cable address, "Equitable," St. Louis. Code, A B C.

The Erben-Harding Company, 512 Arcade building, Philadelphia, Pa. Worsted yarns and processed lambs' wool. Foreign purchasing agents: George Fernau & Son, London. Cable address, "Fairtac," Philadelphia. Codes, A B C and Lieber's.

Erie Car Works, Erie, Pa. Freight cars, car forgings, castings, etc.

Erie Chemical Works, Erie, Pa. Acids, lump and ground alum, sulphate of alumina or paper makers' alum, C. T. S., etc. Codes, A B C and Lieber's.

Erie City Iron Works, Erie, Pa. Engines, boilers, heaters, etc.; four-valve single cylinder and compound, high-speed and medium-speed automatic throttling, and portable throttling engines; horizontal return tubular, stationary "Economic" return tubular, portable open-bottom, portable water-bottom, portable vertical tubular and water tube boilers. Cable address, "Selden," Erie. Codes, Western Union, A B C and private.

Erie Malleable Iron Company, corner Cherry and Twelfth streets, Erie, Pa. Malleable iron castings to order from customers' own patterns.

Estabrook-Anderson Shoe Company, 57 Lincoln street, Boston, Mass. Factory at Nashua, N. H. Shoes.

The Esterbrook Steel Pen Manufacturing Company, 26 John street, New York. Works at Camden, N. J. Steel and metallic pens and pen holders. Foreign agents: Hazell, Watson & Viney, Ltd., London; The Brown Brothers, Ltd., Toronto; Charles Delagrave, Paris; M. Erlebach Nachfolger, Frankfort o/M. Cable address, "Esterbrook," New York. Code, Atlantic Directory.

The Estey Organ Company, Brattleboro, Vt. New York office, 97 Fifth avenue. Pipe and reed organs. Foreign agents: Estey Organ Company, London; Louis Ritz & Co., Hamburg; W. H. Paling & Co., Sydney; Dobbie & Co., Adelaide; Allan & Co., Melbourne; H. Collier & Co., Wanganui, New Zealand; R. Gee, Launceston, Tasmania, and many others. Cable address, "Estey," Brattleboro. Codes, Western Union, Atlantic Directory, Manufacturers' Export.

Eureka Foundry Company, A. G. S. R. R. crossing and Montgomery avenue, Chattanooga, Tenn. General foundry job work.

Eureka Refrigerator Company, Indianapolis, Ind. Refrigerators of all kinds, opal glass case and opal glass lined, oak case and opal glass lined; butchers' and grocers' coolers, counters and racks. Foreign agents: Donnell & Palmer, Buenos Aires; Shewan, Tomes & Co., Hong Kong, Canton, Shanghai and Kobe; Max Paul, Amargura y Villegas, Havana.

The Eureka Rubber Manufacturing Company, Trenton, N. J. New York office, 55 Warren street. Cotton rubber-lined mill, fire and garden hose; rubber belting, hose, and packings of all descriptions; rubber valves and tubing; rubber fruit jar rings, all kinds; mats and matting; enameled rubber carriage ducks and drills; mechanical rubber goods of almost every description. Cable address, "Rekarub," Trenton. Codes, Western Union, A B C, Lieber's and Atlantic Directory.

The Evans Marble Company, 218 East York street, Baltimore, Md. Branch offices: St. Paul building, New York (C. A. Jaynes, agent); 428 Ashland block, Chicago (H. K. Townsend, manager). Factories at Baltimore, Md., and Knoxville, Tenn. Foreign and domestic marbles, finished and in the rough. Foreign agent: Amilcare Schiaffino, Genoa. Cable address, "Evans," Baltimore. Code, A B C Fifth edition.

C. H. Evans & Sons, Second and Mill streets, Hudson, N. Y. New York office, 127 Hudson street. Ale and stout bottled and in bulk.

R. O. Evans & Co., Owensboro, Ky. Sales office in Chicago, Ill. School desks (single, double, double separate, standard adjustable and chair adjustable); school supplies (maps, charts, globes, erasers, blackboards) and everything used in the school room excepting text books; church furniture, including straight, curved and circular seating, in conventional and original designs; opera and assembly seating. Cable address, "Roevans," Owensboro, Ky.

The Evansville Brewing Association, Evansville, Ind. Beer, bottled beer.

The Evansville Cotton Manufacturing Company, Evansville, Ind. Brown sheetings and batting.

Evansville Furniture Company, Evansville, Ind. Wooden bedsteads, kitchen safes, glass cupboards, wardrobes, bureaus, dressers and chamber suites. Jobbers of spring bottoms, iron beds, folding beds, cots, go-carts, perambulators, chairs, rockers, chiffoniers, tables, desks, cabinets, china closets, rattan and reed goods, and everything in the furniture line. Code, Western Union.

The Evansville Tool Works, Ninth avenue and Maryland street, Evansville, Ind. Hatchets, hammers, adzes, broad axes, boys' axes, hunters' axes, butchers' cleavers, butchers' choppers, sledges, striking hammers, railroad track tools, crowbars, coal picks, drifting picks, wood choppers, mauls and wedges, anvil tools and blacksmiths' tongs. Foreign agents: E. D. Leeper & Co., Mexico City. Cable address, "Toolworks," Evansville. Code, Western Union.

Evening Wisconsin Company, Printing Department, 366-370 Milwaukee street, Milwaukee, Wis. Make a specialty of printing catalogues for

the large agricultural implement, chair and other manufacturers throughout the United States; also do a general printing business.

Evens & Howard Fire Brick Company, 920 Market street, St. Louis, Mo. Fire brick, fire clay tiles, locomotive fire box tile, furnace blocks, boiler tile, chimney flues, chimney tops, sewer pipes, drain tile, gutter pipe, conduit pipe, culvert pipe.

Everett Mills, 24 Milk street, Boston, Mass. Works at Lawrence, Mass. Export agents: Smith, Hogg & Co., 115 Worth street, New York. Ginghams, denims and napped fabrics.

The Excelsior Shoe Company, Portsmouth, Ohio. Men's, youths' and boys' welted shoes. Export agent: H. S. DeRus, 24 South William street, New York. Cable address, "Excelsior," Portsmouth. Code, Lieber's.

Excelsior Wrapper Company, Sheboygan, Wis. Bottle wrappers and furniture packing.

Exposition Cotton Mills, Atlanta, Ga. Brown domestics: drills, sheetings, shirtings, etc., from 24 to 52 inches wide.

The F. & N. Lawn Mower Company, 37 Washington avenue, Richmond, Ind. Lawn mowers, grass boxes and grass catchers. Export agent: W. J. Kingsland, 35 South William street, New York. Cable address, "Fenden," Richmond. Codes, A B C and International.

The Faatz-Reynolds Felting Company, Lestershire, N. Y. New York office, 648 Broadway. Branches in Chicago, San Francisco and Louisville. Roll felt and harness pads, gig and coach felt harness pads, felt sweat collar pads; felt riding saddle blankets; also complete line of wool and mohair millinery felts, upholstery and tailoring felts. Cable address, "Faatz," Lestershire. Code, A B C.

Eberhard Faber, 545 Pearl street, New York. Factories at Greenpoint, L. I., and Newark, N. J. Lead pencils, penholders, rubber erasers and bands. Foreign agents: Geo. R. Ousey & Co., London; Chas. Delagrave, Paris; Nauheim & Co., Frankfort o/M; Briquet & Fils, Geneva; Carlos Hempel, Havana; Alexis Schulze, St. Petersburg; H. Jasper Smith & Co., Cape Town; Enrique Davis, Santiago, Chili; Ayres, Henry & Co., Sydney and Melbourne. Cable address, "Rebaf," New York. Code, A B C.

The N. K. Fairbank Company, 143 Dearborn street, Chicago, Ill. New York office, 27 Beaver street. Factories: Chicago, St. Louis, New York, New Orleans and Montreal. Also branches in Boston, Philadelphia, Baltimore, Pittsburg, Savannah and San Francisco. Prime refined lard compound, "Boar's Head" brand, also cottolene. Soaps: toilet, bath and laundry soap, and "Gold Dust" washing powder. Foreign agents: R. Lehmann & Co., Ltd., London; Denbigh, Cowan & Co., Liverpool; Bigland Sons & Jeffreys, Liverpool; John McNairn & Co., Glasgow; W. Hvistendahl & Co., Christiania; Brock & Schnars, Hamburg; Holland American Cotton Oil Company, Rotterdam; Jorgen Nissen, Helsingfors; Turnbull, Jr., & Somerville, Malta; P. M. Braggiotti, Constantinople; T. Owariya, Yokohama. Cable address, "Cottolene," Chicago. Codes, A B C, Lieber's, Western Union and private.

The Fairbanks Company, 416 Broome street, New York. Works at St. Johnsbury, Vt. Scales, valves, trucks; gas and gasoline engines; cement testers; inspirators, injectors, asbestos packed cocks; steam traps, both expansion and return; power hammers and hack saws; saw tables; letter copying presses; shaft couplings. Jobbers of pipe tools and threading machines, Dart's union couplings, power transmitting machinery, belting, packing, machine tools, mill and factory supplies. Foreign agents: The Fairbanks Company, London, Montreal, Toronto,

Winnipeg and Vancouver; J. Block Company, St. Petersburg and Moscow. Cable address, "Fairbanks," New York. Codes, A B C Fourth edition, Lieber's and Western Union.

E. & T. Fairbanks & Co., St. Johnsbury, Vt. Scales and weighing machines; power hammers and brass valves. Foreign agents: The Fairbanks Company, New York, London and Montreal. Cable address, "Fairbanks," St. Johnsbury. Codes, Western Union and private.

Fairbanks, Morse & Co., Franklin and Monroe streets, Chicago, Ill. New York office, 133 Liberty street. Other branches in St. Louis, Los Angeles, Cincinnati, Kansas City, San Francisco, Cleveland, Omaha, Portland, Ore., Detroit, St. Paul, Salt Lake City, Louisville, Minneapolis, Indianapolis and Denver. Works at Beloit, Wis., and Three Rivers, Mich. Gas, gasoline, kerosene and crude oil engines; steam pumps and hoists, air compressors, electric lighting and pumping engines; dynamos and motors; windmills, tanks; hand, push, cane, mine and motor cars; velocipedes, standpipes, railroad supplies. Jobbers of jacks, trucks, scales, coffee mills, letter presses, grain and cement testers, pumps, pipe valves, fittings, etc. Foreign branch in London. Cable address, "Eclipse," Chicago. Codes, Lieber's and A B C.

Fairmont Coal Company, 1 Broadway, New York. Mines in West Virginia, Pennsylvania and Maryland. Bituminous steam coal and gas coal.

The Fairmount Glass Works, Fairmount, Ind. Also works at Indianapolis, Ind. Bottles: prescription, condiment and liquor ware in amber and flint.

Falulah Paper Company, 229 Main street, Fitchburg, Mass. Coated manila box board for folding boxes, coated card boards. Foreign agents: Spicer Bros., London. Cable address, "Falulah," Fitchburg. Code, A B C.

The Farist Steel Company, Bridgeport, Conn. Bar steel, rolled or hammered, of all grades (except wide sheets); steel forgings, plain and to shapes; best cast steel for tools and dies; spiral and elliptic car springs for railroad and street car service.

A. B. Farquhar & Co., Cotton Exchange building, New York. Works at York, Pa. Agricultural implements and machinery; steam engines and boilers, portable, semi-portable, traction, stationary, horizontal, upright, etc.; threshing machines, saw mills and saw mill specialties; plows, harrows, corn planters, grain drills, corn shellers and standard implements generally. Cable address, "Fenankle," New York. Codes, Western Union, A B C and Lieber's.

Farr Alpaca Company, Holyoke, Mass. Worsted dress goods and coat linings.

Farrand Organ Company, Twelfth street and G. T. R. R., Detroit, Mich. The Cecilian piano player, Cecilian self-playing piano and Farrand reed organs. Foreign branch in London. Cable address, "Farrand," Detroit. Code, Atlantic Directory.

Farrar & Trefts, 60 Perry street, Buffalo, N. Y. Oil engines and boilers, gas engines, marine and stationary boilers, tanks, stills and sheet iron work of every description and general foundry work.

Farrel Foundry and Machine Company, Ansonia, Conn. Chilled iron rolls for paper, rubber, flour, oil, brass, copper and other mills; paper calenders; roll grinding machines; rubber mill machinery; brass and copper rolling mills, sugar mills, filter presses, metal cutting shears, machine-moulded gearing and power transmission; stone and ore crushers. Foreign agents: Sussfeld, Lorsch & Co., Paris. Cable address, "Farrel," Ansonia. Codes, Lieber's, Western Union and A B C Fourth edition.

The M. B. Farrin Lumber Company, Winton place, Cincinnati, Ohio. Saw mill at Valley View, Ky. Poplar, oak, chestnut, ash and walnut lumber; poplar bevel and drop siding; poplar flooring, casing and ceiling; 1-inch, ⅝-inch and thick "Century" oak flooring. Cable address, "Farrin," Cincinnati. Codes, A B C, Lieber's, Zebra and Lumbermen's Telecode.

Faunce & Spinney, 53 Blake street, Lynn, Mass. Women's boots and shoes in medium and fine grades; the "Patrician" shoe. Foreign agents: J. Flynn, Kingsthorpe Grove, Northampton, Eng.; J. E. M. Frederick, Quebec, P. Q.; F. Gagliardi & Co., Ltd., 39 Pitt street, Sydney. Cable address, "Patrician," Lynn. Code, Western Union.

The Favorite Stove and Range Company, Piqua, Ohio. First class steel and cast iron ranges; cooking stoves and gas ranges; base burners, "Oak" stoves and heating stoves of various kinds; extra finished cast iron hollow. ware.

Fay Engraving Company, Utica, N. Y. Photo-engraved plates, zinc etchings, half-tone plates.

J. A. Fay & Egan Company, Cincinnati, Ohio. New York office: Geo. Place, agent, 120 Broadway. Branches in Buffalo, St. Louis, New Orleans, and Atlanta, Ga. Other important agencies: Manning, Maxwell & Moore, Chicago; Wysong & Miles Co., Greensboro, N. C.; Henshaw, Bulkley & Co., San Francisco; J. M. Arthur & Co., Portland, Ore.; Geo. A. Jenks, Detroit; H. J. Liebing, Boston. Farm implements and carpenters' machinery; band and bolting saws; wood boring machines; box makers' machinery; broom handle machinery; buggy makers' machinery; carriage builders' machinery; car shop woodworking tools; chair makers' machinery; furniture makers' machinery; hub machinery; wood turning, handle, pattern makers' and spoke lathes; dovetailing, flooring, glue jointing, hand planing, lock corner box, mortising, resawing, sandpapering, tenoning and wood carving machines; piano and organ, planing mill, sash, door and blind, sawmill, shipbuilders', trunkmaking and woodworking machinery generally. Foreign agents: G. P. Altenberg, 31 boulevard Haussmann, Paris; The Projectile Co., Ltd., London; Holger Hassel, Copenhagen; Van Rietschoten & Houwens, Rotterdam; Phillip G. Roeder, Mexico City; John M. Sumner & Co., Milan, Mulhouse and Lisbon; John Chambers & Sons Co., Ltd., Auckland; Schuchardt & Schütte, Stockholm; Carlos del Ré, Madrid; E. Tillmanns & Co., St. Petersburg; H. P. Gregory & Co., Sydney; Bradbury, Brady & Co., Bombay; F. W. Horne, Yokohama; Werner Hult, Helsingfors; Macker & Schaufelberger, Zurich; S. C. Costi, Athens; E. B. Hotchkiss & Co., Brussels. Cable address, "Egan," Cincinnati. Codes, A B C and Lieber's.

Fay-Sholes Company, 127 Rees street, Chicago, Ill. New York office, 300 Broadway. Typewriters and Arithmographs. Branch office: 52 King William street, London. General European representative, Henry Newald, Equitable bldg., Berlin. Sole dealers: Chas. Herincx, 103 Place de Meir, Antwerp; Wm. Beiner, 6 Andrassy-Ut., Budapest; E. Thorn Ely, Buenos Aires; C. Kirschen, 2 Strada Smardan, Bucharest; C. F. M. Knudsen, Copenhagen; N. P. Imerslund, Christiania; Joh. Gerlach, Cologne; J. G. Johnson & Co., Constantinople; Max Herrmann, Berlin; Fausto Solesio & Co., Genoa; F. C. Sabiel, Hamburg; L. Seelhoff, Madrid; Valentine Elcoro & Co., Mexico City; T. I. Hagen Co., Moscow; J. Bory, 21 rue du Temple, Paris; New York Export & Import Co., Bombay, Madras, Calcutta, Manila, Hong Kong, Shanghai; J. G. Sluijter, Rotterdam; S. E. Cross, San Luis Potosi; H. S. Chipman, Sydney and Johannesburg; Oscar Rutishauser, St. Gallen; Stockholm Velociped Affair, Stockholm; Seitter & Co., Stuttgart; Bernard Hauslich, Vienna.

Federal Glass Company, Innis avenue, Columbus, Ohio. Pressed tumblers and beer mugs; blown tumblers and jars and table glass ware.

Federal Manufacturing Company, Elyria, Ohio. Works at Cleveland and Elyria, Ohio, and Indianapolis, Ind. Automobile parts: pressed steel frames, chains, steering gears, axles, equalizing gears, sprockets, hubs, change gears, mufflers, cone clutches, carburetters, propeller shafts; machinery chains; street car curtains, railway car curtains; steel, brass, aluminum, German silver and malleable iron balls; cold rolled sheet steel, sheet steel stampings. Cable address, "Autoparts," Cleveland. Codes, Lieber's, A B C Fifth edition and A 1.

Feige Desk Company, 2061 Genesee avenue, Saginaw, Mich. Office roll top desks, set up and finished, or knock-down in the white; phonograph record cabinets for cylinder and disc records; sectional book cases. Cable address, "Feige," Saginaw. Code, A B C.

Christian Feigenspan, Inc., 42 Freeman street, Newark, N. J. Lager beer, ale and porter.

Fellows & Co., Troy, N. Y. New York salesroom, 729 Broadway. Factories at Troy and at Orange, Mass. Collars and cuffs and white shirts.

Fels & Co., Seventy-third street and Woodland avenue, Philadelphia, Pa. Soap: Fels-Naphtha soap and toilet soaps. Foreign agents: The Sales Co., Ltd., London. Cable address, "Fels," Philadelphia. Code, Lieber's.

Felton, Sibley & Co., 140 North Fourth street, Philadelphia, Pa. Paints, varnishes, stains, enamels, putty, fillers, floor wax, colors, etc. Cable address, "Felsibco," Philadelphia. Code, Western Union.

Ferguson Bros. Manufacturing Company, Eighth and Jackson streets, Hoboken, N. J. Screens and decorative furniture novelties. Cable address, "Fergusbros," New York. Codes, A B C and Lieber's.

Ferracute Machine Company, Bridgeton, N. J. Presses, dies and sheet metal machinery of all kinds for cutting, pressing, forming, punching and drawing; machinery for mints and for making hardware, cycles and electrical goods, etc. Jobbers of boilers, engines and rolls, etc. Foreign agents: Chas. Churchill & Co., London; Schuchardt & Schütte, Berlin; Sonnesson & Co., Copenhagen; Fenwick Frères & Cie, Paris. Cable address, "Ferracute," Bridgeton. Codes, Lieber's and private.

Fichter & Martin, Bethlehem, Pa. Ribbons, dress and tie silks.

Fiebrich Fox Hilker Shoe Company, West and Garfield streets, Racine, Wis. Goodyear welt shoes.

A. B. Fiedler & Sons, 197-199 Adams street, Chicago, Ill. Ladies' dress trimmings such as braids, cords, tassels, fringes, gimps, buttons, etc.; also millinery and fur trimmings. Jobbers of imported passementerie trimmings. Cable address, "Fiedler," Chicago.

Fred. F. Field Company, Emerson avenue, Brockton, Mass. Boots and shoes for men and boys. Code, Western Union.

Field Force Pump Company, Elmira, N. Y. Power spraying machines, well pumps, house pumps, mortar and whitewash pumps, force pumps, spraying pumps, nozzles and pressure filters. Jobbers of blue vitriol, Paris green and refined lime. Cable address, "Forcepump," Elmira. Code, A B C.

P. A. Field Shoe Company, 89 Bedford street, Boston, Mass. Factory at Salem, Mass. Women's boots and shoes.

The Filer & Stowell Company, Beecher and Ziemer streets, Milwaukee, Wis. Corliss engines, rolling-valve engines, saw mill machinery, power transmission machinery, steam hoists, compressors. Cable address, "Filerstowell," Milwaukee.

Findeisen & Kropf Manufacturing Company, Twenty-first and Rockwell streets, Chicago, Ill. Water closet tanks and seats, telephone woodwork. Foreign agents: Anglo-American Trading Co., 7 New Union street, Moorfields, London, E. C.; Bamberger, Leroi & Co., Frankfort o/M. Cable address, "Kropf," Chicago. Codes, A B C and Lieber's.

The Finlay Brewing Company, 1024 Summit street, Toledo, Ohio. Lager beer, bottled beer. Cable address, "Finest," Toledo. Code, Western Union.

Firth & Foster Company, York, Emerald and Adams streets, Philadelphia, Pa. New York office, Silk Exchange building, Broadway and Broome street. Dyers and finishers of mohair sicilians, brilliantines, woolen and worsted dress goods, suitings and cloakings, cotton and worsted yarns, also slubbing.

Firth-Sterling Steel Company, Demmler Station, McKeesport, Pa. High grade crucible tool steel, armor piercing projectiles. Cable address, "Subtenso," McKeesport. Code, A B C Fifth edition.

J. & C. Fischer, 417 West Twenty-eighth street, New York. Pianos. Cable address, "Punctillio," New York.

The Fischer Foundry and Machine Company, South Twenty-first and Mary streets, Pittsburg, Pa. Pipe and tube mill machinery, plate glass machinery; rolling mill, steel works and metal working machinery; hydraulic riveting machinery, punches and shears, hydraulic presses, etc.

B. Fischer & Co., 393 Greenwich street, New York. Coffee, roasted, pulverized and ground, milled, separated and cleaned; pressed, pounded and bolted mustard; cleaned, decorticated, ground, pounded and bolted spices. Jobbers of teas. Cable address, "Benfish," New York. Codes, Western Union and Atlantic Directory.

The Fish Brothers Wagon Company, Racine, Wis. Farm and freight wagons.

The Fisher Governor Company, Marshalltown, Iowa. Steam pump governors; gravity governors for open elevated tanks; reducing valves. Foreign agents: Weise & Monski, Berlin; Herman Glaenzer & Perreaud, Paris; Frederic Nell, London. Cable address, "Fisher," Marshalltown. Codes, A B C Fourth edition, Western Union and private.

Fiske Brothers Refining Company, 59 Water street, New York. Works at Brills, N. J. Lubricating oils and greases; oils for railroads, steamships and factories; lubricants for motor cars, traction companies, mines, etc. London office, 3 Mitre street, Aldgate; Paris office, Charenton, Seine. Cable addresses: "Lubroleine," New York, and "Nativus," London. Codes, Lieber's, A B C and private.

The Edwin H. Fitler Company, 23 North Water street, Philadelphia, Pa. Manila and sisal rope, binder twine; manila drilling cables, transmission rope, and towing lines. Jobbers of wire rope. Cable address, "Fitler," Philadelphia. Code, A B C Fifth edition.

C. L. Flaccus Glass Company, Empire building, Pittsburg, Pa.; 41 Barclay street and 46 Park place, New York; 224 North Third street, Philadelphia; 97 North street, Boston; and 6 North Clark street, Chicago. Manufacturers of bottle glassware, glass jars, druggists' sundries, corks and hospital supplies.

Stanley G. Flagg & Co., 424 North Nineteenth street, Philadelphia, Pa. Works at Philadelphia and Pottstown, Pa. Malleable iron pipe fittings, malleable iron castings, small steel castings. Cable address, "Fittings," Philadelphia. Codes, Western Union and Lieber's.

to manufacturers whose names are given in this book.

Fleck Brothers Company, 44 North Fifth street, Philadelphia, Pa. Lead pipe, sheet lead and solder. Jobbers of plumbing materials.

S. B. & B. W. Fleisher, Inc., 28 South Sixth street, Philadelphia, Pa. New York office, 112 Franklin street; Chicago office, 159 Market street; Boston office, 44 Bedford street. Worsted and woolen yarns and worsted braids. Cable address, "Fleisher," Philadelphia. Codes, A B C and private.

Fletcher Manufacturing Company, 47 Charles street, Providence, R. I. New York office, 72 Leonard street. Boot, shoe and corset laces; lamp and stove wicks; tapes, braids and webbings.

The Flint Wagon Works, Flint, Mich. Top buggies, road wagons, phaetons, surreys, stanhopes, bikes, Concord wagons; spring, delivery, farm and lumber wagons; farm and log trucks; wheels in white.

Flint & Walling Manufacturing Company, Kendallville, Ind. New York office, 96 Wall street. "Star" windmills, wood wheels, 10 to 20 feet in diameter, or galvanized steel wheels, 4 to 16 feet in diameter, for pumping and power purposes; "Hoosier" and "Fast Mail" iron pumps, force or lift, all designs and sizes for all purposes; iron or brass cylinders and working barrels; galvanized steel or wood towers for windmills, flag or bell towers; galvanized steel substructures, 4, 8 and 12 post; tanks of any dimensions or capacity, made from white pine, cypress, or galvanized steel; hydraulic well machinery and tools; well casing, pipe and pipe fittings, brass goods, hydrants, and all water supply goods. Cable address, "Star," Kendallville. Codes, Lieber's, Western Union, A B C Fourth edition and private.

Florence Manufacturing Company, Florence, Mass. Tooth brushes, hat and cloth brushes, nail brushes, surgeons' hand brushes, hair brushes and toilet mirrors. Trade marks: "Prophylactic," "Floreloid," "Cosmeon," "Keepclean," "Florence," "Dux." Cable address, "Lionite," Florence.

Florence Pump and Lumber Company, Memphis, Tenn. Wood pumps, and pump supplies; cypress water tanks, builders' supplies and hardwood lumber.

Florence Wagon Works, Florence, Ala. Farm and lumber wagons, and dump carts. Manufacturers of telephone brackets and pins. Jobbers of all kinds of lumber and poplar squares. Foreign agents: C. Holck & Co., Monterey; Oscar Franke, Gomez Palacio, Mexico. Cable address, "Bellamy," Florence. Code, Western Union.

Floyd, Wells & Co., Royersford, Pa. Stoves, heaters, ranges and house heating furnaces.

The Flynn & Emrich Company, 226 North Holliday street, Baltimore, Md. Foundry and machine works, steam engines, elevators, pulleys, hangers and shafting; special machinery to order. Jobbers of steam and hot water radiators and boilers, etc.

Robert H. Foerderer, Inc., Frankford, Philadelphia, Pa. Glazed kid. Foreign agents: Jules Jacob & Wolfers, Paris; Buhler & Co., Buenos Aires, for the Argentine Republic and Uruguay; Warren & Strang, Melbourne and Sydney. Cable address, "Vici," Philadelphia. Codes, A B C Fourth edition, A 1, Lieber's, Widebrook and private.

R. R. Fogel & Co., 177 Broadway, New York. Solid gold and rolled plate vest chains, link buttons, collar buttons, cuff buttons, scarf pins, etc., 18 kt. and 14 kt. solid gold, gold filled, silver and nickel "Cronometro Victoria" and American Waltham "Sol" watches. Foreign agent: Enrique de Castillo, Piedad 1065, Buenos Aires. Cable address, "Fogelco," New York. Codes, A 1, Lieber's and Western Union.

Foley & Williams Manufacturing Company, 46 Jackson boulevard, Chicago, Ill. Works at Kankakee, Ill. Sewing machines and organs. Jobbers of pianos. Cable address, "Foley," Chicago. Code, A B C.

Folwell, Bro. & Co., Incorporated, 625 Chestnut street, Philadelphia, Pa. New York office, 487 Broadway; Chicago office, Medinah building. Manufacturers of worsted and woolen dress goods, serges for men and women, plain and fancy mohairs, broadcloths, checked suitings and worsted linings. Importers of linens, silks and white goods.

Foos Manufacturing Company, Springfield, Ohio. New York office, B17 Produce Exchange. Grinding mills, 3 H. P. to 75 H. P.; feed, attrition, sweep and burr stone mills; horse powers; portable forges; corn harvesters; drop hammers. Cable address, "Scientific," New York. Codes, A B C Fourth edition and Western Union.

Foot, Schulze & Co., St. Paul, Minn. Boots and shoes. Jobbers of rubber goods, leggins, wool boots, socks, etc.

Ford Morocco Company, 136 Summer street, Boston, Mass. Works at Wilmington, Del. Chrome tanned, glazed and enamel kid. Foreign agents: Hanisch & Sahl, London. Cable address, "Wastetson," Boston. Codes, A B C and Lieber's.

The Edward Ford Plate Glass Company, Rossford, Ohio. Polished plate glass.

The Ford River Lumber Company, Wells, Mich. Mills at Ford River, Mich. Lumber, lath, shingles; cedar posts, poles and ties. Code, Lumberman's.

J. S. Ford, Johnson & Co., Sixteenth street and Indiana avenue, Chicago, Ill. Factory at Michigan City, Ind. Chairs and settees. Export agents: P. Derby & Co., 202 Canal street, New York.

Thomas Fordyce Manufacturing Company, Little Rock, Ark. Cotton gins, cotton presses, cotton elevators, cotton gin machinery of all kinds. Jobbers of engines, boilers, saw mills, corn mills and machinery supplies. Cable address, "Baldy," Little Rock. Codes, A B C and Western Union.

The Forest City Foundry and Manufacturing Company, Main and Elm streets, Cleveland, Ohio. Gray iron castings; hot air furnaces and registers; mail boxes; lawn sprinklers; general jobbing work for foundry.

The Forest City Paint and Varnish Company, 1185 Hamilton street, Cleveland, Ohio. Asphaltums, japans, paints, varnishes, white lead, colors, driers, enamels, fillers, floor oil, stains, machinery paint, iron ore paint, roof paint. furniture polish, zinc white. Cable address, "Forest," Cleveland. Code, Western Union.

Fort Miller Pulp and Paper Company, Fort Miller, N. Y. Wood pulp and hanging paper.

Fort Wayne Electric Works, Inc., Fort Wayne, Ind. Electric apparatus, single and multi-phase induction motors, alternators, arc dynamos, direct current generators and motors, meters, transformers, arc lamps, rheostats, switchboards, fan motors, fuse boxes, cut-outs. Export agents: Electrical Manufacturers' Export Co., 29 Broadway, New York. Foreign agents: Bagnall & Hilles, Yokohama. Cable address, "Woodarc," Fort Wayne. Codes, A B C, A 1, Lieber's.

Theodore W. Foster & Bro. Company, 100 Richmond street, Providence, R. I. New York office (samples only), 13 Maiden Lane. Fine rolled gold plated chains, lockets, cuff buttons, pins, earrings, bracelets, and hair chain trimmings; sterling silver toilet, manicure and desk goods and silver novelties. Cable address, "Fosterbro," Providence. Codes, Western Union and Atlantic Directory.

Foster Bros. Manufacturing Company, Utica, N. Y. Iron bedsteads and cribs, spring beds, woven wire mattresses and cots, hospital and institution bedsteads. Export agents: B. Souto & Co., 161 Front street, New York. Cable address, "Foster," Utica. Code, Lieber's.

Foster Engineering Company, 109 Monroe street, Newark, N. J. Pressure regulators for high and low delivery pressures; automatic safety, automatic non-return, and combination emergency stop valves; pump governors, fan engine regulators, free exhaust or relief valves, back pressure valves, float valves, hydraulic reducing and relief valves, special valves for controlling air, water or other pressures. Foreign agents: W. H. Bailey & Co., Manchester; Julius Drach, Berlin, Vienna and Budapest; New York Export and Import Company, Bombay, Calcutta, Rangoon, Singapore, Manila, Shanghai, Alexandria, Australia and New Zealand; Bell's Transvaal, Ltd., Johannesburg. Cable address, "Retsof," Newark. Codes, Lieber's, Western Union and private.

Foster Lumber Company, 802 North Senate avenue, Indianapolis, Ind. All kinds of interior house finish, mantels and stairs. Jobbers of hardwood lumber and veneered birch doors.

The N. C. Foster Lumber Company, Fairchild, Wis. Manufacturers of hardwood lumber: basswood, red and white oak, ash, maple, birch; also buckwheat flour. Dealers in wheat, corn, rye, oats, potatoes and all produce.

Foster-Lothman Mills, Oshkosh, Wis. Sash, knocked down; open sash, window blinds and wooden doors. Cable address, "Fostermil," Oshkosh. Code, Western Union.

The Fostoria Glass Company, Moundsville, W. Va.; 66 West Broadway, New York; 619 Arch street, Philadelphia, and 146 Franklin street, Boston. Table glassware, decorated lamps, water bottles, cruets, glass lamps, hotel glassware, tumblers, bar glassware, glass inkstands and American pressed glassware. Foreign agent: B. Rosenstiel, 57 Basinghall street, London. Cable address, "Rosenglass," Moundsville. Code, Western Union.

Charles K. Fox, Haverhill, Mass. Factories at Haverhill, Mass., and Wolfborough, N. H. Ladies' low-cut shoes and slippers; high priced ornamented slippers for house and party wear. Foreign agents: Samuel T. Whiddon, Sydney; Mazon & Jimenez, Havana. Cable address, "Haverfox," Boston. Code, Western Union.

The Francis & Nygren Foundry Company, 1301-1317 Fillmore street, Chicago, Ill. Gray iron and semi-steel castings.

The Frankfort Chair Company, Frankfort, Ky. Chairs, furniture and mantels. Cable address, "Martin," Frankfort, Ky. Code, Western Union.

H. H. Franklin Manufacturing Company, 400 South Geddes street, Syracuse, N. Y. Gasoline automobiles. Cable address, "Franklin," Syracuse. Code, A B C Fourth edition.

Franklin Stone Company, Marble Cliff, Ohio. Flux rock, railroad ballast, concrete stone, building stone, dimension rock.

William Franzen & Son, Incorporated, Lincoln avenue and Kinnickinnic river, Milwaukee, Wis. Glass bottles for beer, soda and mineral waters. Jobbers of bottle stoppers.

John S. Fray & Co., Bridgeport, Conn. Carpenters' bit braces, drill and corner braces, hand and breast drills, angle borers, hollow handle and combination tool sets. Cable address, "Fray," Bridgeport. Codes, Atlantic Directory and Lieber's.

W. S. Frazier & Co., Aurora, Ill. New York store, Broadway and Fifty-first street. Vehicles: road carts, breaking carts and harness, track and pneumatic carts, doctors' and pole carts; pneumatic track sulkies, pneumatic speed wagons; runabouts, road wagons, buggies, stanhopes. Cable address, "Frazora," Aurora.

The S. Freeman & Sons Manufacturing Company, Racine, Wis. New York office, 64 Broad street. Wind mills, towers and attachments; feed cutters, wood saws, corn shellers, horse powers, fanning mills, feed grinders, etc.

Freiberg & Workum, 216 East Front street, Cincinnati, Ohio. Distilleries at Cincinnati and Lynchburg, Ohio; Petersburg, Ky., and Terre Haute, Ind. Bourbon and rye whiskey, gin, brandy, rum, spirits, alcohol, and liquors generally. Cable address, "Freiberg," Cincinnati. Codes, Western Union and private.

The Fremont Furniture Company, Fremont, Ohio. Parlor and library tables, tabourets and other furniture specialties.

Samuel H. French & Co., York avenue and Fourth and Callowhill streets, Philadelphia, Pa. Works at Camden, N. J. White lead; ready mixed paints, colors in oil and japan, varnishes, mortar colors; Portland cement, plaster, ornamental plaster castings. Jobbers of Muralo Company's cold water paints. Cable address, "French," Philadelphia. Codes, A B C and Western Union.

Frick Company, Waynesboro, Pa. New York office, 39-41 Cortlandt street. Ice making and refrigerating machinery, Corliss engines, return tubular and fire box boilers, traction engines, portable engines on wheels and skids, portable circular saw mills, threshing machinery. Foreign agents: Joseph Baker & Sons, Ltd., London and Melbourne; A. G. Webster & Son, Hobart, Tasmania. Codes, A B C Fourth and Fifth editions, Lieber's, Western Union, Anglo-American and private.

George H. Friend Paper and Tablet Company, West Carrollton, Ohio. Sulphite fiber writing and book papers, tablets, folded writing papers, papeteries and envelopes.

George Frost Company, 551 Tremont street, Boston, Mass. "Velvet Grip" hose supporters and "Boston" garters. Foreign agents: Howard Wall & Co., 31 Hackney road, London, for Great Britain and colonies, Holland, Germany, Norway and Sweden; Elie Weill & Cie, 28 rue de la Victoire, Paris, for other European countries. Cable address, "Devonfrost," Boston. Codes, Lieber's, A 1 and A B C.

The Frost Manufacturing Company, Galesburg, Ill. Automatic and throttling steam engines, horizontal tubular boilers, fire box boilers, clay crushers and drilling engines. Cable address, "Frostmanco," Chicago. Code, Lieber's.

John A. Frye Shoe Company, Marlboro, Mass. Leather boots and shoes.

Fuller Buggy Company, Jackson, Mich. Road wagons, spring wagons, buggies, surreys, carts and sleighs.

The Fuller Iron Works, Providence, R. I. Iron castings, water pipe specials, flange pipe for steam, sewer castings for street service, general machinery castings.

W. P. Fuller & Co., 21 Front street, San Francisco, Cal. New York office, 100 William street. White lead, red lead, pure colors in oil and japan, mixed paints, mirrors, lubricating oils, varnishes, etc. Jobbers of plate and sheet glass, linseed oil, turpentine and painters' supplies. Foreign agents: Buzacott & Co., Sydney. Cable address, "Fuller," San Francisco. Codes, A B C, Lieber's, Western Union, Atlantic Directory and private.

Fuller & Rice Lumber and Manufacturing Company, Grand Rapids, Mich. Planing mill: lumber, lath, shingles, sash, doors and inside finish.

Geo. H. Fuller & Son Company, 151 Exchange street, Pawtucket, R. I. Branch office, 103 State street, Chicago, Ill. General line of "findings" for the manufacturing jeweler, also full line of materials for wholesale dealers and jobbers. All the component parts used in the making and repairing of jewelry. Cable address, "Fullerson," Pawtucket. Code, Western Union.

Fuller & Warren Company, River and Monroe streets, Troy, N. Y. New York office, 256 Water street. Cooking stoves and ranges, heating stoves and warm air furnaces for coal or wood; hot water boilers, and tank heaters.

The Fuller-Warren Company, Milwaukee, Wis. Stoves, ranges, furnaces, steam and hot water boilers.

Fulton Bag and Cotton Mills, 236 Spring street, New York. Factory at Atlanta, Ga. Cotton bags, paper bags, jute and burlap bags, twines, seamless bags, waterproof cloth, tarpaulins, horse covers and wagon covers. Jobbers of camel's hair and press cloth. Cable address, "Fulbag," New York. Codes, A B C Fourth edition, A 1 and Lieber's.

Fulton Engine Works, Los Angeles, Cal. Mining, hoisting, pumping, well boring and power transmission machinery; elevators, engines, boilers, heaters and condensing apparatus; tanks and sheet iron work. Codes, Lieber's and Western Union.

G & J Tire Company, 549 East Georgia street, Indianapolis, Ind. Pneumatic tires for bicycles, automobiles, motor bicycles and carriages. Cable address, "Detachable," Indianapolis. Codes, A B C Fourth edition and Lieber's.

Gaar, Scott & Co., Richmond, Ind. Traction and portable engines, grain and rice threshing machines and attachments, including self-feeders and band cutters, straw stackers, weighers, etc.; clover hullers, straw bruisers and saw mills. Foreign agents: Hammacher, Delius & Co., New York and Hamburg; Strong & Trowbridge Co., New York; Charles B. Corwin, 15 Whitehall street, New York. Cable address, "Gaar," Richmond. Codes, A B C Fourth edition and Western Union.

Gager Lime and Manufacturing Company, Chattanooga, Tenn. Lime and stone for concrete and railroad ballast.

Gale Manufacturing Company, Albion, Mich. Riding plows, with one, two, three and four bottoms; walking plows with bottoms of steel, chilled iron, and a combination of steel and iron; two-horse riding cultivators; one and two-horse walking cultivators; harrows or drags, wood and steel frames, with spring or spike teeth; double and single lever disk pulverizing harrows; steel frame land rollers; one and two-horse planters, with drill or check attachment, and with or without fertilizer attachments; two-horse beet drills and one-horse beet cultivators; double shovels, etc. Foreign agents: C. Th. Rom & Co., Copenhagen; A. Paulsson & Co., Eslof, Sweden. Cable address, "Gale," Albion. Codes, A B C, Western Union and Lieber's.

Gale Shoe Manufacturing Company, Haverhill, Mass. Factories at Haverhill and at Portsmouth, N. H. Salesroom, 106 Summer street, Boston. Women's, misses' and children's shoes and slippers, men's slippers. Foreign agents: J. Mazon & Jimenez, Havana.

Galland Brothers, 101 Wooster street, New York. Factories at Wilkes-Barre and Pittston, Pa. Women's and children's muslin undergarments, women's shirt waists and dressing sacques.

Galloway Coal Company, Memphis, Tenn. Mines at Galloway, Carbon Hill, Chickasaw, Garnsey and Glen Mary, Ala. Bituminous coal.

A. F. Gallun & Sons, 1000 North Water street, Milwaukee, Wis., and 76 South street, Boston, Mass. Leather. Specialty, black and colored calfskins in the following brands: Aztec calf, Mandarin calf, Ebony calf, Milwaukee kid, Mat calf, Kangaroo calf, wax calf, lining calf and Norwegian veals. Also Kangaroo sides, Ebony sides, oil grain, wax upper, harness, skirting, strap and collar leather; splits. Foreign agents: Hanisch & Sahl, London. Cable address, "Gallun," Milwaukee. Codes, Widebrook, A B C Fourth edition, Western Union and Lieber's.

F. X. Ganter, Leadenhall and Stockholm streets, Baltimore, Md. Showcases; store, office and saloon furniture; mirror plates and beveled plate glass; bowling alleys, shuffle boards, etc.

Garden City Tablet Company, Elkhart, Ind. Writing paper tablets, paper pads, composition books, stenographers' note books and fancy water-marked paper. Cable address, "Wright," Elkhart. Code, Western Union.

The Gardner Governor Company, Quincy, Ill. Duplex steam pumping machinery, air compressors, engine governors, pump governors, steam separators, exhaust heads. Foreign agents: Fred. Stieltjes & Co., Amsterdam (for engine governors); Isaac Braithwaite & Son, Kendal, England; Frank R. Perrot, Perth, West Australia; Engineering Supply Co. of Australia, Brisbane. Cable address, "Gardner," Quincy. Codes, Lieber's and Western Union.

Gardner & Lacey Lumber Company, Georgetown, S. C. Cypress and pine lumber, both rough and dressed; cypress shingles; cypress and pine plastering lath.

The M. Garland Company, Twenty-sixth and Water streets, Bay City, Mich. Saw mill, wood working and conveying machinery; wind mills.

W. T. Garratt & Co., 138 Fremont street, San Francisco, Cal. Brass and iron valves, brass cocks, hose couplings and fittings, bells, steam whistles, etc.; steam and power pumps for mines, and centrifugal pumps for irrigation purposes. Jobbers of iron pipes and fittings, injectors, brass and copper tubing, sheet brass, engineers' findings, etc. Foreign agents: R. T. Sparks, Lima, Peru. Cable address, "Garratt," San Francisco. Codes, A B C Fourth edition and Western Union.

A. Garrison Foundry Company, Ninth and Bingham streets, Pittsburg, Pa. Rolling mill machinery of every description, chill and sand rolls and pinions; shears and lathes. Jobbers of steel and brass castings, and forgings of every description.

The Garvin Machine Company, Spring and Varick streets, New York. Stores in Philadelphia and in Syracuse, N. Y. Milling machines: universal, plain, Lincoln pattern, vertical spindle, duplex, hand, two-spindle vertical or profiling machines; screw machines, wire feed and plain, in five sizes; monitor and turret machines, five sizes; tapping machines, horizontal, vertical and automatic; gear cutting and spring coiling machines; cutter grinders, plain and universal; die slotters, gang drill presses, punching presses, duplex drill lathes, screw slotters, milling cutters. Foreign agents: C. W. Burton, Griffiths & Co., London and Glasgow; A. Engelmann & Co., Liège; Deutsche Garvin Maschinen Fabrik, A. G., Berlin. Cable address, "Needful," New York. Codes, Lieber's, A B C, Western Union, Atlantic Directory and Manufacturers' Export.

James S. Gary & Son, 720-724 Equitable building, Calvert and Fayette streets, Baltimore, Md. Mills at Alberton, Md. Cotton duck.

Gas Engine and Power Company and Charles L. Seabury & Co., Consolidated, Morris Heights, New York. Wood and steel vessels, naphtha and marine steam engines and boilers; naphtha, gasoline and

electric launches; torpedo boats and torpedo boat destroyers, tug boats, gun-boats and steam lighters. Cable address, "Excellent," New York. Codes, Lieber's and Western Union.

Gate City Cotton Mills, 1206 Fourth National Bank building, Atlanta, Ga. Mills at East Point, Ga. White hosiery and underwear yarns, Nos. 8s to 24s.

John A. Gauger & Co., Twenty-second and Laflin streets, Chicago, Ill. Sash, doors, blinds and interior finish. Cable address, "Kanal," Chicago. Code, A B C.

Henry Gaus & Sons Manufacturing Company, 2100 North Main street, St. Louis, Mo. Packing boxes, sash, doors and interior hardwood finish. Jobbers of lumber.

The Gebert Shingle Company, Ltd., New Iberia, La. Cypress shingles. Cable address, "Norris," New Iberia, La. Code, Western Union.

The Geiser Manufacturing Company, Waynesboro, Pa. Traction and portable steam engines, portable and stationary gas and gasoline engines; steam saw mill machinery; grain threshers and clover hullers; grain weighers, feeders and wind stackers; grain drills and pumps. Foreign agents: H. G. Negaranian & Co., Constantinople.

Gendron Wheel Company, Toledo, Ohio. Children's carriages and go-carts, and wheels and hardware for same; children's velocipedes, tricycles, toy wagons, barrows, carts and doll-cabs; invalid chairs, reed furniture, bicycles and hand delivery carts. Cable address, "Gendron," Toledo.

General Electric Company, Schenectady, N. Y. New York office, 44 Broad street. Electrical machinery and supplies. Foreign agents: The General Electric Co. of New York, London; Bagnall & Hilles and Mitsui & Co., Yokohama; Australian General Electric Co., Melbourne; Mexican General Electric Co., Mexico City; South African General Electric Co., Johannesburg; South American General Electric Supply Co., Buenos Aires. Cable address, "Genetric." Codes, A B C, A 1, Western Union, Lieber's and private.

General Fire Extinguisher Company, Union Trust building, Providence, R. I. New York office, 92 William street. Works at Providence, R. I., Warren, Ohio, and Charlotte, N. C. Grinnell automatic fire sprinklers, dry pipe valves, alarm valves, etc.; also cast iron fittings and other steam-fitters' supplies. Foreign agents: Mather & Platt, Ltd., London. Cable address, "Grinnell," Providence.

Geometric Drill Company, Blake and Valley streets, New Haven, Conn. Turret tools for screw machines; self-opening and adjustable screw cutting die heads; hollow adjustable milling tools; adjustable collapsing taps; combination collapsing taps and reamers, special tools and machinery. Foreign agents: Chas. Churchill & Co., Ltd., London, Birmingham, Manchester, Newcastle-on-Tyne and Glasgow; Schuchardt & Schütte, Berlin, Cologne, Stockholm, Vienna, Brussels, St. Petersburg and Milan. Cable address, "Metric," New Haven. Codes, Lieber's and private.

The Georgia Marble Company, Tate, Ga. Georgia marble in blocks or sawed stock.

Edward Germain, Saginaw, Mich. Doors, sash and blinds, moldings and lumber; also H. Sherman pianos. Cable address, "Germain," Saginaw.

German-American Button Company, 188-190 St. Paul street, Rochester, N. Y. Vegetable ivory buttons. Cable address, "Gerambutco," Rochester, N. Y. Code, Western Union.

Germer Stove Company, Erie, Pa., and 231 Newberry avenue, Chicago, Ill. Heating stoves, ranges and furnaces.

Gerstendorfer Brothers, 231-235 East Forty-second street, New York. Gold paint and bronze powders; gold, aluminum, decorative and bathtub enamels; varnish stains and carriage colors. Cable address, "Zanagerst," New York. Code, Lieber's.

Geuder & Paeschke Manufacturing Company, Fifteenth street and St. Paul avenue, Milwaukee, Wis. Pieced, stamped and japanned tinware; sheet steel and galvanized iron ware, Cream City specialties and enameled ware. Cable address, "Geuderstir," Milwaukee. Code, Western Union.

Giddings & Lewis Manufacturing Company, Fond du Lac, Wis. Saw mill machinery; specialties: bands, gangs, circular mills, head blocks, gang edgers, lath mills, trimmers, bolters, horizontal re-sawing machines, etc.; also slide valve and Corliss engines.

Wm. L. Gilbert Clock Company, 37 Maiden Lane, New York. Works at Winsted, Conn. Complete clocks, movements and parts for clock movements. Cable address, "Oxonian," New York. Code, Lieber's.

Gilbert Knitting Company, Little Falls, N. Y. New York office: Day & Kenyon Co., 260 Church street. Men's knit underwear, Jersey overshirts, cotton and wool sweaters.

Gilbert Paper Company, Menasha, Wis. Writing paper, tubsized and loft dried; ledgers, bonds, linens, superfine and fine writing and envelope papers.

The Gilbert & Bennett Manufacturing Company, Georgetown, Conn. Branch offices and warehouses: 277 Broadway, New York; 153 Lake street, Chicago; 312 Broadway, Kansas City. Mills at Georgetown, Conn., and Wireton, Ill. Galvanized wire cloth, wire netting, wire fencing; wire goods, steel and brass wire cloth.

Gill Brothers Company, Steubenville, Ohio. New York office, 35 Warren street. Lamp chimneys, lantern globes, glass reflectors, globes for incandescent gas burners. Cable address, "Acme," Steubenville. Codes, Atlantic Directory and Western Union.

Gillinder & Sons, Incorporated, 135 Oxford street, Philadelphia, Pa. Glass for lighting and special purposes: colored, decorated, etched, cut, pressed and molded glass for lighting purposes; plain and decorated shades, opal and flint globes and reflectors for incandescent electric lamps and for enclosed or inverted arc lamps, also for oil lamps and for gas and incandescent gas lights; lamp chimneys; glassware from private molds, pressed or blown.

Girard Lumber Company, 7 State street, Menominee, Mich. Mills at Dunbar, Wis. Manufacturers of lumber, lath and shingles. Jobbers of posts, poles and forest products in general.

Gisholt Machine Company, Madison, Wis. Horizontal boring and drilling machines, vertical boring and turning mills, chucking machines, chucks, lathes, gear testing machinery, tool grinders, turret lathes, reamers, scroll cutting machines, turret machines. Foreign agents: Schuchardt & Schütte, Berlin, Bilbao, Brussels, Cologne, Milan, Paris, St. Petersburg, Stockholm and Vienna; C. W. Burton, Griffiths & Co., London. Cable address, "Gisholt," Madison, Wis. Codes, Lieber's and A B C Fourth edition.

Gladding, McBean & Co., New Montgomery and Mission streets, San Francisco, Cal. Works at Lincoln, Placer county, Cal. Vitrified salt glazed sewer pipe, water pipe, terra cotta chimney pipe and tops, hollow tile fire-proofing and pressed brick; acid cocks, crocks, pipes, plates and receivers; brick and tile mantels, culvert pipe, drain tile; enameled brick; terra cotta and hollow tile; fire brick, clay, brick dust and tile; flower

pots, flue linings, flush tanks, grease traps, kitchen sinks, laundry tubs, lawn vases, roofing tile and stove linings. Cable address, "Macbean," San Francisco.

Glasgow Iron Company, Pottstown, Pa. New York office: Daniel F. Cooney & Co., 88 Washington street. Boston office: Harrington, Robinson & Co., 272 Franklin street. Philadelphia office: D. Sherman Guss, Harrison building, Fifteenth and Market streets. Iron and steel plates, sheared and universal rolled; skelp iron, muck bars, flanged and dished boiler heads, pressed steel manheads and boiler lugs, buckled plates, pipe flanges, boiler and tank saddles; rubber, lead and copper gaskets.

Gleason-Tiebout Glass Company, 99 Commercial street, Brooklyn, N. Y. Own the Greenpoint works, borough of Brooklyn, and the Metropolitan works, borough of Queens. Export office, 37 Murray street, New York. Gas, electric and lamp globes; electric arc light globes, both outer and inner; shades, reflectors, globes for all systems of incandescent gas lighting; fish globes; cut glass for illuminating.

Glencoe Mills, Burlington, N. C. Cotton colored goods, domets or outings and ginghams.

The Glidden Varnish Company, Cleveland, Ohio. Varnishes, "Jap-a-Lac," etc.

Globe Iron Works, corner Main and Commerce streets, Stockton, Cal. General foundry and machine shops: mining and milling machinery, Truax automatic ore cars and skips, iron stem guides, iron and brass castings, dredging machinery. Cable address, "Globeworks," Stockton. Codes, Western Union and Lieber's.

Globe Knitting Mills (Rambo & Regar, Inc.), Norristown, Pa. Seamless hosiery, cotton, lisle and mercerized, in fine gauge.

The Globe-Wernicke Company, 1224 West Eighth street, Cincinnati, Ohio, and 7 Bunhill Row, London, E. C., England. New York office, 380 Broadway. "Elastic" (sectional) bookcases and filing cabinets; office desks; card index and cabinet supplies. Cable address, "Globe," Cincinnati. Codes, A B C Fifth edition, Western Union and Lieber's.

Globe Woolen Company, Utica, N. Y. New York office, 840 Broadway. Fine worsteds and woolens for men.

Bernard Gloekler, 1127 Penn avenue, Pittsburg, Pa. Butcher machinery, sausage stuffers, lard presses, meat racks, smoke houses, meat hooks, pork fat cutting machines, slaughter house runway and rollers, meat choppers, abattoir machinery, slaughter house and market fixtures.

The Glucose Sugar Refining Company, Chicago, Ill. Glucose, grape sugar, starch, dextrines and fancy table syrups. Foreign agents: A. B Steffens, Louisenhof, Hamburg; Corn Products Co., Ltd., 40 Trinity square, London, E. C. Cable address, "Glucose," Chicago. Code, Lieber's.

Edward E. Gnichtel, 12 Green street, Newark, N. J. Brushes: bristle, fiber, and wire brushes for manufacturers.

The Leon Godchaux Company, Ltd., New Orleans, La. Factories at various points in Louisiana. Sugar and molasses. Cable address, "Godchaux," New Orleans. Code, Anglo-American.

The H. C. Godman Company, 347 West Broad street, Columbus, Ohio. Also branches at Lancaster, Ohio: The Fairfield Shoe Company, The Lancaster Shoe Company, The Ohio Shoe Company, and The A. Getz Shoe Manufacturing Company. Shoes: women's, misses', children's, men's, boys' and youths'.

Aug. Goertz & Co., 278 Morris avenue, Newark, N. J. Bag frames, purse frames, trick purse frames and match safes for advertising.

C. P. Goerz Optical Works, 52 East Union square, New York. Photo-lenses and prism-binoculars.

Goldens' Foundry and Machine Company, Columbus, Ga. Power transmission machinery, ice machines and cane mills.

Golding Manf'g Co., 183 Fort Hill square, Boston, Mass. Selling agents: Golding & Co., 540 Pearl street, New York, and 134 North Tenth street, Philadelphia. Other selling agents: Thos. E. Kennedy & Co., 337 Main street, Cincinnati; Champlin & Smith, 121 Plymouth place, Chicago; Southwest Printers' Supply, 111 South Broadway, Los Angeles. Platen printing presses, paper and card cutters, lead and rule cutters, labor-saving rule working tools, composing sticks, type cases, cabinets and stands, labor-saving wood furniture and reglet, printing inks, varnishes, tablet cements and pastes, rollers and roller moulds and general supplies for the printer. Jobbers of type and all printers' supplies. Foreign agents: M. P. McCoy, Phoenix Works, Phoenix place, London; E. C. Gjestvangs, Stockholm; Società delle Macchine Grafiche, Milan, Naples and Rome; A. Cowan & Sons, Melbourne and Sydney; Cowan & Co., Wellington, N. Z. Cable address, "Golding," Boston. Codes, A B C, Atlantic Directory and Western Union.

Goodell Company, Antrim, N. H. New York office, 10 Warren street. Cutlery: apple and potato parers, seed sowers, cherry stoners, potato mashers and bread crumbers. London agents: Cushman & Thompson, Aldersgate building, Aldersgate street. Cable address, "Goodellco," New York. Code, private.

Goodell-Pratt Company, Greenfield, Mass. Mechanics' tools and light hardware specialties: fine precision tools, micrometers, calipers, bevels, tempered steel rules, dividers, gauges, protractors, squares, trammels, straight edges, etc.; automatic, bench, breast, hand and twist drills; chain drills, automatic and ratchet; hack saws, bench and power; butcher, dehorning, kitchen and circular saws; automatic, ratchet and gunsmiths' screw drivers; spoke shaves and threaders; automatic, center, drive and saw punches; polishing lathes and heads; grinding heads; glass cutters; drill points; German pattern bits; drill chucks and attachments; belt clamps, braces, butcher and hack saw frames, saw arbors, tool or tap holders, pin vises, nail and tool sets. Cable address, "Prattgood," Greenfield. Code, A B C.

The B. F. Goodrich Company, Akron, Ohio. Rubber goods in the following lines: hose, belting and mechanical moulded goods; druggists', dentists', hospital and stationers' supplies; golf balls; bicycle, carriage and automobile tires; sporting goods and bicycle sundries; printers' blankets, fuller balls, grain drill tubes, lawn sprinklers, pump buckets, oil well supplies, cement, friction tape and electrical supplies; rubber air goods, aprons, bellows cloths, soling, heels, toys and toy balls, horseshoe pads, life preservers and paper machine rollers. Foreign agents: The B. F. Goodrich Company, London. Cable address, "Goodrich," Akron. Code, A B C Second edition.

Hazen B. Goodrich & Co., Haverhill, Mass. Men's and women's shoes and slippers. Foreign agents: American Boot and Shoe Syndicate, London. Cable address, "Bouriche," Boston. Code, Western Union.

The Goodyear Tire and Rubber Company, Akron, Ohio. New York office, 253 West Forty-seventh street. Solid and pneumatic carriage and automobile tires, pneumatic bicycle tires, pneumatic golf balls, rubber bands and sundries, rubber horse shoes, rubber tiling, molded goods. Cable address, "Goodyear," Akron. Codes, Lieber's and Western Union.

Gordon Battery Company, 439 East One Hundred and Forty-fourth street, New York. Primary electric batteries, battery fan outfits. Cable address, "Batteries," New York. Code, Western Union.

to manufacturers whose names are given in this book.

Gorham Manufacturing Company, Broadway and Nineteenth street, New York. Works at Providence, R. I. Sterling silverware and plate, bronze statuary, tablets, ecclesiastical goods in bronze and silver; architectural bronze work. Cable address, "Landforce," New York. Codes, A B C, Lieber's and Western Union.

Gould Coupler Company, 1 West Thirty-fourth street, New York. Works, Depew, N. Y. Malleable iron works, car and locomotive axle works, cast steel works. Specialties: couplers, platforms, journal boxes, draft rigging, friction draft gear, etc. Cable address, "Gouldcoup," New York.

Gould & Eberhardt, New Jersey Railroad avenue, Newark, N. J. Automatic gear cutting machines and accessories, automatic worm hobbing machines, automatic rack cutting machines, shapers, drill presses, automatic tapping machines and attachments, tool grinders, gear cutters, cutter-grinders, "Radial-Duplex" gang gear cutters, automatic sand sifters and mixers, transfer presses, steel plate printing presses, oval lathe chucks, universal ball joints and gearing. Foreign agents: Schuchardt & Schütte, Berlin, Cologne, Vienna, Brussels, Stockholm and St. Petersburg; Selig, Sonnenthal & Co., London; John Lang & Sons, Johnstone, Scotland; Roux Frères & Cie, Paris; White, Child & Beney, Vienna; Adolfo B. Horn, Havana; F. W. Horne, Yokohama. Cable address, "Eberhardt," Newark. Codes, Lieber's, A B C Fourth edition and private.

The Goulds Manufacturing Company, Seneca Falls, N. Y. Warerooms, 16 Murray street, New York. Pumps for every service: hand and house force pumps, standards and cylinders; air, oil, spray, diaphragm, boiler-feed, wind-mill, irrigating, centrifugal, power and electric pumps; hydrants, air compressors, corn shellers and farm bells. Cable address, "Glavis," Seneca Falls. Codes, A B C Fourth and Fifth editions, Lieber's and Western Union.

Graf, Morsbach & Co., Cincinnati, Ohio. Harness and saddles; harness parts, horse and mule collars. Export office: 256 Broadway, New York. Cable addresses: "Roughwood," New York, code A B C; and "Grafmors," Cincinnati, code Western Union.

Graham Nut Company. Office and warehouse, 1315-1317 West Carson street, Pittsburg, Pa.; works, Neville Island, Pa. Nuts: hot pressed, cold punched, semi-finished and finished-case-hardened; machine and carriage bolts, lag screws, foundation rods, bridge rods, rods for buildings, etc.; washers, bolt ends, rivets, etc. Cable address, "Grahamco," Pittsburg. Code, Atlantic Directory.

John H. Graham & Co., 113 Chambers street, New York. Branch office: 123 California street, San Francisco, Cal. Hardware, bicycle and hardware specialties: bit braces, augers and auger bits, planes, mallets, screw drivers, compasses, spoke shaves, etc.; blacksmiths' vises, mattocks, sledges; "Coes" knife-handle and all steel wrenches; saw sets, sand and emery paper and cloth; builders' hardware, such as hinges, butts, sash locks and lifts, padlocks, door bolts and gongs; household hardware, such as coffee mills, pans, mouse and rat traps, food choppers, etc.; garden tools, including pruning shears, lawn rakes and lawn mowers; curry combs, horse, toilet and sheep clippers; bright wire goods, brass bibbs and cocks; bicycle specialties, including cyclometers and "New Departure" coaster brakes; scissors and shears; revolvers and guns; elevators and dumb waiters. Foreign branches: 14 Thavies Inn, Holborn Circus, London, and Copenhagen, Freeport. Cable address, "Grahaines." Codes, Lieber's, A B C Fourth and Fifth editions, Western Union.

Granby Mining and Smelting Company, St. Louis, Mo. New York office, 13-21 Park Row. Works at Granby, Mo., and Neodesha, Kan. Pig lead and spelter.

Grand Crossing Tack Company, Grand Crossing, Chicago, Ill. Steel billets, rods, wire, wire nails, rivets, tacks, barbed wire and woven wire fence. For export, especially, Hungarian nails and shoe tacks and shoe nails. Cable address, "Tacks," Chicago. Code, Western Union.

Grand Rapids Brass Company, Grand Rapids, Mich. New York office: Bodenheim Bros., Fuller building. Furniture and refrigerator trimmings, cast and stamped articles in brass and steel, hat hooks, drawer pulls, knobs, escutcheons, refrigerator locks and hinges, special and to order. Foreign agents: Vokes Hardware Co., Toronto; G. P. Pim, 207 Prescott road, Liverpool. Cable address, "Sintow," Grand Rapids. Code, A B C.

Grand Rapids Brush Company, Grand Rapids, Mich. Brushes: hair, cloth, bath, flesh, hat, complexion, scrub, stove and shoe; wood and leather back horse brushes. Cable address, "Allbrush," Grand Rapids.

Grand Rapids Engraving Company (The Cargill Press), Commerce street and Weathly avenue, Grand Rapids, Mich. Engraving, printing and binding; making a specialty of high-grade catalogues complete (both engraving and printing) for manufacturers of all kinds; being particularly skilled in illustrating carriages, furniture, machinery and hardware. Cable address, "Greco," Grand Rapids. Code, Western Union.

Grand Rapids Hand Screw Company, South Ionia and Bartlett streets, Grand Rapids, Mich. Hand screws, clamps, carvers' and cabinet-makers' benches, factory trucks, etc. Also show cases, display cases, glass counters, shelf brackets and store display fixtures generally. Code, Western Union.

Grand Rapids Malleable Company, Grand Rapids, Mich. All kinds of malleable castings for cars, carriages, agricultural implements, etc.

Grand Rapids Refrigerator Company, Grand Rapids, Mich. Export office, 54 Warren street, New York. Refrigerators for families, grocers and hotels; electrotype and catalogue cabinets. Cable address, "Refrigalon," Grand Rapids, Mich. Code, Atlantic Directory.

Grand Rapids Show Case Company, Grand Rapids, Mich. New York office, 718 Broadway. Show cases and store furniture of all kinds.

Granite Mills, Fall River, Mass. Cotton goods to order, in medium and fine yarns.

Graniteville Manufacturing Company, Augusta, Ga. Mills at Graniteville and Vaucluse, S. C. Cotton goods: drills, shirtings and sheetings, 27 to 40-inch width, brown goods only. Cable address, "Grantville," Augusta, Ga. Code, Western Union.

The Grasselli Chemical Company, 63 Wall street, New York. Blue vitriol or sulphate of copper; hyposulphite of soda, crystal and granulated, known as "Tremley" brand; bisulphite of soda and sulphite of soda; sulphate of soda; Glauber's salt; chloride of zinc, granulated and fused; sulphate of zinc, free from iron; sulphuric, muriatic and nitric acids; chemically pure glycerine; "Crystal Eureka" soldering flux for canning meats, fruits and vegetables; lithopone, acetic acid, silicate of soda. Cable address, "Grasselli," New York. Codes, A B C and private.

The Graton & Knight Manufacturing Company, 58 Bloomingdale road, Worcester, Mass. New York office, 40 Dey street. Oak tanned leather and leather belting of all descriptions, also solid grain leather counters, insoles, etc.; bicycle saddles and strapping. Foreign agent: C. Otto Gehrckens, Hamburg. Cable address, "Spaulding," Worcester. Code, private.

Peter Gray & Sons, 90 Union street, Boston, Mass. Lanterns and lamps for railroads, oil cans, gauge lights, railroad water carriers, fusee cases,

ship lanterns, sheet metal work in copper, brass, zinc, black and galvanized iron and tin. Cable address, "Graylamp," Boston. Code, Western Union.

Grays Harbor Commercial Company, 237 California street, San Francisco, Cal. Mills at Cosmopolis, Wash. Douglass fir (or Oregon pine), spruce and cedar lumber; box shooks, red cedar shingles; water and mining tanks. Cable address, "Sprucetown," San Francisco. Codes, A1, A B C Fourth edition, Lieber's, Lumberman's and Western Union.

Great Lakes Engineering Works, Detroit, Mich. Steel ships; marine and stationary vertical engines, simple, compound or triple expansion; hydraulic dredges and air compressors; ice making and refrigerating machinery; hydraulic presses, mining machinery. Cable address, "Greatlakes," Detroit.

The Great Western Pottery Company, Kokomo, Ind., and Tiffin, Ohio. Plumbers' sanitary earthenware, water closets, basins, urinals, tanks and vitreous lavatories. Cable address, "Conradt," Kokomo. Code, Western Union.

Green's Car Wheel Manufacturing Company, 3018 North Broadway, St. Louis, Mo. Crushing and pulverizing machinery for cement, brick, coal, fertilizers, clay, limestone, etc.

Greenpoint Metallic Bed Company. Main office and works, 226 Franklin street, Brooklyn, N. Y. New York office, 228 Fourth avenue. Manufacturers of metal bedsteads and furniture; hospital supplies; operating tables; dressing, water and instrument sterilizers; metallic and glass cabinets.

The I. & E. Greenwald Company, 720 East Pearl street, Cincinnati, Ohio. Engines—Corliss type and throttling; gearing and power transmission appliances. Foreign agent: A. F. Mitchell, Iquitos, Peru. Cable address, "Greenwald," Cincinnati. Code, Western Union.

Benj. W. Greer, Bellevue Worsted Mills, Germantown, Philadelphia, Pa. Manufacturer of cotton and woolen goods for ladies' and men's wear.

Gregory, Mayer & Thom Company, Detroit, Mich. Stationers, manufacturers of blank books and printers; office furniture and filing devices.

Grieb Rubber Company, Inc., 531 Market street, Philadelphia, Pa. Factory at Trenton, N. J. Rubber specialties for the shoe trade, cement and general mould work, such as rubber soles for leather, yachting, tennis and all descriptions of sporting shoes; moulded mats, inlaid rubber flooring, corrugated matting, channel cement in barrels, rubber and leather cement in bottles. Cable address, "Griebrub," Philadelphia. Code, Western Union.

Griffin Manufacturing Company, Erie, Pa. New York office: Surpless, Dunn & Co., 55 Warren street. Butt, strap and T hinges; hasps, common and special hinges, sash lifts, shelf and folding brackets, drawer pulls, door bolts, barn door hangers, wrought washers, wrought goods and cold rolled strip steel. Foreign agents: South British Trading Co., Ltd., London. Cable address, "Grifco," Erie. Code, Western Union.

The Griffith & Wedge Company, 130 South Fifth street, Zanesville, Ohio. The "Ohio" Corliss engine; plain slide valve and hoisting engines; steam boilers; clay working machinery.

The Grinnell Manufacturing Corporation, New Bedford, Mass. Fine cotton fabrics of plain and fancy weaves, from combed yarns Nos. 50s to 150s, counting 40 square up to 200 square and above; 24 to 54 inches wide. All fabrics sold in the brown.

The Griswold Manufacturing Company, Erie, Pa. Oil heating stoves, gas ranges and gas heating stoves, aluminum ware, waffle irons, food

choppers, sad irons, iron hollow ware, ice picks, lemon squeezers, coffee mills, post boxes and charcoal furnaces. Cable address, "Griswold," Erie.

William H. Grundy & Co., 108 South Front street, Philadelphia, Pa. Tops and worsted yarns. Cable address, "Grundy," Philadelphia.

The Gugler Lithographic Company, corner Broadway and Ogden avenue, Milwaukee, Wis. Lithographed work of all kinds, black and colored; also advertising novelties.

Guild & Garrison, 463 Kent avenue, Brooklyn, N. Y. Pumps: vacuum, sugar house, filter press, steam pumps and air compressors. Cable address, "Garrison," Brooklyn. Codes, A B C, Western Union and private.

Gullett Gin Company, Amite, La. Cotton gins, feeders and condensers; presses, elevators, and complete cotton ginning plants. Cable address, "Gullett," Amite. Code, Western Union.

John Gund Brewing Company, La Crosse, Wis. Lager beer in wood and glass, and Brewers' dried grains. Cable address, "Gundlax," Lacrosse. Codes, A B C, Riverside and Western Union.

Hervey E. Guptill, Haverhill, Mass. Ladies' high grade slippers, evening and carriage shoes; buckles, beaded ornaments. Cable address, "Guptill," Haverhill. Code, Western Union.

W. & L. E. Gurley, Inc., 514 Fulton street, Troy, N. Y. Field instruments for civil engineers and land surveyors, including instruments used by mining, hydraulic, railroad and consulting engineers, also physical and scientific instruments and standard weights and measures. Jobbers of supplies for civil engineers and land surveyors. Cable address, "Gurleys," Troy. Codes, Western Union and Lieber's.

Gurney Refrigerator Company, Fond du Lac, Wis. Refrigerators and ice chests of all kinds. Foreign agents: Albert T. Jones, 131 Willesden Lane, London, N. W.; W. W. Diamond, Honolulu.

Ferd. Haak, Davenport, Iowa. Cigars.

Hafner Manufacturing Company, Dock and Main streets, St. Louis, Mo. Windows, doors, blinds, columns, spindles, balusters, moulding, and all kinds of mill work pertaining to house building.

A. T. Hagen Company, 55 North street, Rochester, N. Y. Laundry machinery, mangles; washing, ironing and starching machines. Foreign agents: I. Braithwaite & Son, Kendal, England. Cable address, "Orrwaite," Rochester. Code, Lieber's.

Haines, Jones & Cadbury Company, 1130-1144 Ridge avenue, Philadelphia, Pa. Works at Philadelphia and Norristown, Pa. Sanitary plumbing fixtures; water, steam and gas supplies; cast iron soil pipe and soil pipe fittings; plumbers' gasoline furnaces. Jobbers of enameled iron and porcelain baths, lavatories and water closets, marble washstand slabs, plumbers' earthenware, merchant pipe, malleable and cast iron fittings, plumbers', gas and steam fitters' tools. Pacific Coast sales agent: Jos. R. Whalen, 410-418 McAllister street, San Francisco. Cable address, "Hajoca," Philadelphia. Code, private.

Hale Company, 15 Stone street, New York. Works at Arlington, Vermont. Chairs and sofas. Jobbers of all kinds of furniture. Cable address, "Hale," New York. Codes, Lieber's and A B C.

The Hale & Kilburn Manufacturing Company, 48 North Sixth street, Philadelphia, Pa., and 33 Union Square, West, New York. Electric and steam railway car seats, fireproof seating, car curtains, rattan seat covering and car equipment; telescope parlor beds (latest improvement

on folding beds), convertible sofas, reservoir washstands, portable commodes, water coolers and furniture generally. Cable address, "Halburn," Philadelphia. Codes, A B C Fifth edition, Western Union and Lieber's.

Hall Steam Pump Company, Allegheny, Pa. Air compressors and steam or power pumps. Cable address, "Hallpump," Allegheny. Code, Western Union.

Hall & Brown Wood Working Machine Company, 1915 North Broadway, St. Louis, Mo. Wood working machinery, including planers, planers and matchers, moulders, shapers, tenoners, mortisers, saw benches, self-feed saws, "Universal" wood workers, etc. Cable address, "Hallbrown," St. Louis. Codes, Lieber's and Western Union.

Hall & Carpenter, 518-520 Race street, Philadelphia, Pa. Manufacturers and exporters of Basket Fryers, Self-Basting Broilers, Griddles, Nickel-plated Trays, Embossed Tin Trays and Mugs, Asbestos Stove Mats and all kinds of specialties in metal and asbestos; special articles for foreign countries made to order. Jobbers of pig tin, pig lead, pig copper, tin plate, black and galvanized sheet iron, sheet copper, sheet zinc, wire, rivets, mica, etc. Cable address, "Rattaux," Philadelphia.

Hall, Hartwell & Co., Troy, N. Y. New York office, 71 Franklin street. Manufacturers of men's shirts, collars and cuffs, selling to the jobbing trade only.

Hall & Ruckel, 215 Washington street, New York. Proprietors of and sole agents for medicinal preparations, toilet articles, etc.; specialties: "Sozodont," "Sozodont Tooth Powder," "Sozodont Tooth Paste," "Spalding's Glue," "Atwood's Bitters," "Madam Porter's Cough Balsam," "Dr. Zadoc Porter's Bitters," "Olive Tar," "Mitchell's Eye Salve," "Sargent's Sozoderma Soap," "X. Bazin's Shaving Cream," and other of X. Bazin's toilet preparations; also Bazin & Sargent's toilet soaps, etc. Foreign agents: John Morgan Richards, London; Lyman Sons & Co., Montreal; Eduardo Bremer & Cia., Monterey. Cable address, "Ruckel," New York. Code, A B C.

Hall's Safe Company, Spring Grove avenue, Cincinnati, Ohio. New York office, 393 Broadway. Fire proof safes, fire and burglar proof safes, burglar proof bank safes; fronts and vault entrances for buildings and banks; locks and safe deposit boxes. Cable address, "Hallsafe," Cincinnati and New York.

The Hallack & Howard Lumber Company, Denver, Col. Odd size sash and doors; also stairs, interior finish, etc.; wood boxes and crates. Jobbers of lumber, lath, shingles, sash, doors and mouldings, cement, building paper, plate and window glass, prepared roofing nails, barbed wire, corrugated iron roofing, etc.

C. T. Ham Manufacturing Company, 731 Oak street, Rochester, N. Y. Tubular and railroad lamps and lanterns; driving and automobile lamps. Cable address, "Ham," Rochester.

Hamburg Cordovan Leather Works, 119 Sussex avenue, Newark, N. J. New York office, 81 Fulton street. Leather for shoes, patent colt, patent calf, Cordovan galoshes and general shoe leathers. Cable address, "Venus," Newark. Codes, A B C Fourth edition, Western Union, Widebrook, Lieber's.

Hamburger Cotton Mills, Columbus, Ga. Cottonades, plaids, denims, tickings, cheviots, camlets, shirtings and Mitcheline bedspreads. Export agents: E. H. Hamilton & Co., 113 Worth street, New York. Cable address, "Mitchell," Columbus, Ga. Code, Western Union.

Hamilton Manufacturing Company, 70 Kilby street, Boston, Mass. Works at Lowell, Mass. Drills, ticks, stripes, canton flannels, domets, prints.

The Hamilton Manufacturing Company, Two Rivers, Wis. Wood type, printers' wood goods; dental, railroad and special furniture. Cable address, "Woodtype," Two Rivers. Code, A 1.

Hamilton Rubber Manufacturing Company, Trenton, N. J. New York office, 24 Park place. Rubber belting; hose for gardens, steam-suction, brewers, acids, fire, air and oil; tubing, valves, springs, rings, washers, matting and mats. "Perfection Pink" packing, plain or brass wire insertion. Cable address, "Hamilton," Trenton. Codes, Atlantic Directory and Western Union.

Hamilton Woolen Company, 18 Post Office square, Boston, Mass. New York office, 108 Worth street. Mills at Southbridge and Amesbury, Mass. Worsted dress goods; cotton sheetings, both brown and bleached, 38½ and 39 inches wide, and print cloths.

The Hamilton-Brown Shoe Company, Twelfth street and Washington avenue, St. Louis, Mo. Men's, boys', youths' and little gents' shoes; women's, misses' and children's shoes.

Hamilton & Hamilton, Jr., 7 Eddy street, Providence, R. I. New York office, 3 Maiden Lane. Manufacturers of gold filled, plated and sterling silver novelties as follows: gold filled vest chains, Dictators, Alberts, Dickens, lorgnette and guard chains, fob chains for gentlemen and ladies, lockets, bracelets in gold filled and sterling silver, bars, swivels, jump rings, spring rings, cable chain and a complete line of silver novelties. Cable address, "Hamton," Providence. Code, Western Union.

Hammermill Paper Company, Erie, Pa. Writing bonds and ledger paper. Foreign agent: John Lindsay, 29 Ludgate Hill, London. Cable address, "Hammermill," Erie. Code, A B C.

Hammill & Gillespie, 240 Front street, New York. Mail address, Postoffice box 921. Exporters and importers of clay, minerals, polishing powders, infusorial earths, talc, feldspar, terra alba, Venetian red, lime, rubber substitute, barytes, magnesite cement. Foreign agents: Peter R. McQuie & Son, Liverpool. Cable address, "Gillespie," New York. Codes, A B C Fourth edition and Atlantic Directory.

The G. H. Hammond Company, Union Stock Yards, Chicago, Ill. New York branch, 52 Tenth avenue. Packing houses at Chicago, Ill., and South St. Joseph, Mo. Dressed beef, pork, mutton, etc.; Coin special brands of canned meats; lard, hams, bacon, beef extract, butterine, and all packing house products. Foreign agents: Hammond Beef Co., Ltd., London and Liverpool; John McNairn & Co., Glasgow; G. J. J. Witt, Hamburg; G. J. J. Witt & Co., Rotterdam; Provision Import Company, Ltd., Copenhagen; J. Anderson, Jr., & Co., Copenhagen; B. Sacarello, Gibraltar; F. W. Finlay, St. Johns, N. F.; H. P. Fritot, Havana; Ustvedt & Proesch, Christiania; Knut Mandahl, Stockholm; Krutwig & Co., Antwerp; Victor Relecom, Antwerp; Auguste Pellerin, Paris; Georges Thumin, Marseilles; Ducot & Marchou, Bordeaux; Gio. Camandona & Co., Genoa; Herman Stern, Genoa; Augusto Morosoli, Catania. Cable address, "Calumet," Chicago. Codes, A B C Fourth edition and private.

Hammond Lumber Company, 304 Hayward building, San Francisco, Cal. New York office, Broad Exchange building. Mills at Eureka, Cal., and Mill City, Ore. Redwood lumber, sash and doors, Oregon fir and spruce lumber, shingles. Cable address, "Hamlumco," San Francisco. Codes, A B C, Lumberman's Telecode.

The Hammond Typewriter Company, 537 East Sixty-ninth street, New York. Hammond typewriters and Hammond typewriter supplies. Foreign branch in London. Representatives in all countries. Cable address, "Typanglo," New York. Codes, A B C, Lieber's and Manufacturers' Export.

Hampshire Paper Company, South Hadley Falls, Mass. Old Hampshire bond, classic bond, Titan bond, Empire bond and Itasca bond papers. The only paper makers in the world making bond papers only. Foreign agents: Hampshire Paper Co., London; L. S. Dixon & Co., Ltd., Liverpool; Brown & Stewart, Auckland; Gumaelius & Co., Stockholm. Cable address, "Hampshire," Holyoke. Code, Lieber's.

M. A. Hanna & Co., Cleveland, Ohio. Pig iron, Lake Superior iron ore; coal. Cable address, "Hanna," Cleveland. Codes, Western Union and Atlantic Directory.

The Hanson & Van Winkle Company, 219 Market street, Newark, N. J. New York office, 92 William street; Chicago branch, 30 South Canal street. Dynamo electric machines and electro-platers' supplies. Jobbers of electrical instruments and polishing machinery. Foreign agents: J. E. Hartley & Son, Birmingham; Donald & McPherson, Glasgow; Herbert H. Smith, Melbourne. Cable address, "Vanwinkle," Newark. Code, A B C Fourth edition.

Hapgood Plow Company, 102 Henry street, Alton, Ill. Plows, harrows, cultivators, disk plows, etc. Jobbers of buggies, steel ranges and sewing machines.

Harbison-Walker Refractories Company, Farmers' Bank building, Pittsburg, Pa. Works in Pennsylvania, Ohio and Kentucky. Chrome, magnesia, silica and high grade fire clay brick. Jobbers of chrome ore and magnesite. Cable address, "Harbison," Pittsburg. Code, A B C.

Hardie-Tynes Manufacturing Company, Birmingham, Ala. Corliss engines, slide valve engines, air compressors, hoisting and haulage engines. Cable address, "Hartyne," Birmingham.

The Harker Pottery Company, East Liverpool, Ohio. Pottery.

The Harkness & Cowing Company, 513 Eggleston avenue, Cincinnati, Ohio. Stearic acid. Cable address, "Harking," Cincinnati. Code, Western Union.

Harney Bros., 125 Alley street, Lynn, Mass. New York office, 147 West Twenty-third street; Boston office, 183 Essex street. Women's footwear: machine sewed, Goodyear welt and turn boots and oxfords. Code, Western Union.

Harrington & Richardson Arms Company, Inc., Worcester, Mass. Revolvers and single barrel shotguns. Foreign agents: John H. Graham & Co., London and Copenhagen. Cable address, "Firearms," Worcester.

Edwin Harrington, Son & Co., Inc., Fifteenth street and Pennsylvania avenue, Philadelphia, Pa. Iron-working machinery, lathes, extension gap lathes, drills, radial drills, multiple drills, planers, chain hoists, traveling cranes; overhead tramway system, including switches and turntables; geared and plain travelers; special machinery. Cable address, "Tools," Philadelphia. Codes, A B C, Atlantic Directory and Lieber's.

William Harris & Son, P. O. box 1062, Pittsburg, Pa. Works at Allegheny, Pa. Mine car couplings and hitchings; iron and steel forgings.

Harrisburg Manufacturing and Boiler Company, Nineteenth and Derry streets, Harrisburg, Pa. Water-tube boilers, tanks, horizontal tubular boilers, smoke stacks, steel riveted pipe and castings.

Harrisburg Shoe Manufacturing Company, 1402 Vernon street, Harrisburg, Pa. Women's, misses', children's and infants' fine and medium shoes.

Benjamin V. Harrison, 91 Gold street, New York. Works at Ludlow, McKean Co., Pa. Leather (grain and splits) for shoes, bags, belts, cases, straps, etc.; also embossed leathers for bookbinders and pocketbook manufacturers. Cable address, "Fanbird," New York. Codes, Widebrook, A B C and Lieber's.

Harrison Safety Boiler Works, Seventeenth street below Allegheny avenue, Philadelphia, Pa. "Cochrane" feed water heaters and purifiers, "Cochrane" special feed water heaters and receivers; the "Sorge-Cochrane" system for the thorough heating and purification of water for boiler feed and other purposes; "Cochrane" steam and oil separators; "Creasey" ice breakers. Foreign agents: Erith's Engineering Co., London; Max Seeligmann, Berlin. Cable address, "Wharhall," Philadelphia. Codes, A B C Fourth edition and Western Union.

The Harrison Wagon Company, Grand Rapids, Mich. Farm and freight wagons.

Harrow Spring Company, Kalamazoo, Mich. Merchant bars, machinery and spring steel, agricultural implement springs, spring harrow teeth, hay rake teeth, weeder teeth, tedder forks, cultivator springs, points and shovels, seat springs; railway car springs, car fender springs, railway track springs, machinery springs and heavy springs for all purposes. Code, Western Union.

The Hart Manufacturing Company, 103 Allyn street, Hartford, Conn. Electric light supplies. Foreign agents: Wm. Crichton, 25 Victoria street, London; C. W. Bougard, 52 Adelaide street, West Toronto, Canada. Cable address, "Hartco," Hartford.

Hart Mirror Plate Company, Grand Rapids, Mich. French mirror plate, glass shelves and beveled polished plates. Cable address, "Hartmirror," Grand Rapids. Code, Lieber's.

Hart & Murphy, Eighth and Jackson streets, St. Paul, Minn. Manufacturers of cigars and jobbers of leaf tobacco.

Hartford Machine Screw Company, 476 Capitol avenue, Hartford, Conn. Standard screws and nuts, milled from the solid stock; all classes of screws and sundry pieces for guns, sewing machines, telephones, optical instruments, bicycles, automobiles, etc. Designers and builders of a wide variety of automatic screw and forming machinery, also appliances and devices used in connection with same. Jobbers of bright drawn stock of all sizes, struck up machine screws and punched nuts. Cable address, "Fairfield," Hartford. Code, Western Union.

The Hartford Manufacturing Company, 1 South Ann street, Hartford, Conn. Stamped envelopes for the United States Post-Office Department; stamped envelopes for foreign governments; capacity, 4,000,000 in ten hours.

The Hartford Rubber Works Company, 691 Park street, Hartford, Conn. New York office, 1769 Broadway. "Turner" solid endless tires for automobiles; "Hartford" Clincher and "Perfected Dunlop" detachable automobile tires; Single Tube and Dunlop tires for bicycles, "Hartford" solid and cushion tires for vehicles; rubber mats and matting, rubber packing and small rubber sundries. Cable address, "Singletube," Hartford. Codes, A B C, Lieber's and Western Union.

M. Hartley Company, 313 Broadway, New York. Export agents for: Union Metallic Cartridge Company, Bridgeport, Conn., ammunition of all kinds; Remington Arms Company, Ilion, N. Y., military and sporting arms; Bridgeport Gun Implement Company, Bridgeport, Conn., gun implements, auger bits and bicycle pedals; Smith & Wesson's, Colt's and other revolvers; rifles of all kinds. Foreign agents: Charles Osborne & Co., Ltd., Birmingham and London; André, Schaub & Pioso, Paris; Chr. Achen, Copenhagen. Cable address, "Hartley," New York. Codes, A B C Fourth edition, Lieber's and private.

Hartmann Brothers Manufacturing Company, 428 West Lincoln avenue, Mt. Vernon, N. Y. New York office, 1123 Broadway. Works at Mt. Vernon and Chicago. Wood porch columns ("Kolls Patent" lock

joint) and ornamental capitals (composition). Cable address, "Kolkspat," New York. Codes, A B C Fifth edition and Lieber's.

Stewart Hartshorn Company, East Newark, N. J. Stock rooms: New York, 7 Lafayette place; Chicago, 338-344 Wabash avenue. Factories at East Newark, Muskegon, Mich., and Toronto, Canada. Spring rollers for shades or blinds. Foreign agents: John G. Rollins & Co., Ltd., London; Hammacher, Delius & Co., Hamburg; H. W. Peabody & Co., Paris. Cable address, "Hartshorn," New York. All codes.

Hartwell Brothers, Inc., Chicago Heights, Ill. Axe, pick, sledge, adze, maul, tool, slasher, hammer and hatchet handles; carriage and wagon neck-yokes, singletrees and doubletrees. Cable address, "Hartwell," Chicago Heights. Code, Western Union.

The G. F. Harvey Company, Saratoga Springs, N. Y. Branch depot at Peoria, Ill. Canadian laboratory, Mille Roches, Ontario. Full line of regular pharmaceutical goods for physicians' use: soluble pills and granules, alkaloidal granules, soluble compressed tablets, soluble tablet triturates (moulded), soluble hypodermic tab., fluid extracts, tinctures, spirits, wines, medicinal elixirs, syrups, solutions, mixtures, medicinal waters, liniments, emulsions, oils and oil compounds, ointments, suppositories, soluble elastic capsules and globules, compound powders, granular effer. salts, drugs and chemicals, surgical supplies, rubber goods, physicians' cases, surgical instruments, catheters, bougies, specialties, Saratoga ointment, vitogen, inhibitine, aseptolin-Edson, Kinsel's cod liver oil, compound surgical sheets, unguentum gynecol. Foreign agents: Thos. Christy & Co., London.

William H. Haskell Manufacturing Company, Pawtucket, R. I. Bolts, nuts and washers; cold punching of all kinds; coach and lag screws; set and cap screws; rods and special iron work for buildings. Cable address, "Haskell," Pawtucket. Code, Western Union.

Hassett & Hodge, Amesbury, Mass. Pleasure vehicles, depot wagons, cabriolets, surreys and buggies. Code, Western Union.

The Hathaway Manufacturing Company, New Bedford, Mass. Manufacturers of fine cotton twills, etc.

Haviland Shade Roller Company, 307 West Broadway, New York. Spring shade rollers. Cable address, "Neviland," New York. Code, Lieber's.

Hawes, Von Gal Company, Inc., Danbury, Conn. Salesrooms, 1178 Broadway, New York: 75 Summer street, Boston; 102 Madison street, Chicago. Stiff and soft fur hats, all colors and grades. Dealers in silk hats, opera hats and straw hats. Foreign agents: C. Van Wickewoort Crommelin, Haarlem; Donnell & Palmer, Buenos Ayres; Jess Applegath, Toronto. Cable address, "Vongal," New York. Code, A B C.

T. G. Hawkes & Co., Corning, N. Y. Cut glass: table-ware, flower holders, candelabra, lamps, candlesticks, perfume bottles and cut glassware for gold and silver mountings.

George A. Haws, 73 Pine street, New York. Lubricating oils and grease; cylinder, engine, machinery, dynamo, wool, spindle, cutting oils; neatsfoot oil, lard oil, signal oils; belt, journal, motor and shafting greases; oil specially prepared for throwsters' use. Cable addresses: "Hawsmartin," New York; "Marnile," New York. Codes, A B C and Western Union.

The Haynes-Apperson Company, Kokomo, Ind. Gasoline automobiles.

H. T. Hayward, Franklin, Mass. Cotton warp woolens for suitings, etc.

Walter E. Hayward, 93 Union street, Attleboro, Mass. New York office, 11 Maiden Lane. High grade rolled plate jewelry, including rib-

bon vest chains, ribbon fobs, silk guard chains, link sleeve buttons, collar buttons, seals, charms, cuff and scarf pins, ladies' dress pins, etc.

The Hayward Company, 97 Cedar street, New York. Buckets, "Orange peel" and "Clam shell;" dredges, excavators, traveling derricks (steel and wood construction), derrick fixtures, coal and ore handling machinery, hoists, conveyors, etc. Jobbers of engines, boilers, chain and wire rope. Cable address, "Thehayco," New York. Code, Western Union.

Hazard Manufacturing Company, 81 East Ross street, Wilkes-Barre, Pa. Iron, steel and galvanized wire rope; copper wire, insulated wires. Cable address, "Hazmaco," Wilkes-Barre.

E. C. Hazard & Co., 117 Hudson street, New York. Factory at Shrewsbury, N. J. Importers and jobbers of fine groceries, packers of canned fruits and vegetables, and manufacturers of "Shrewsbury" specialties, a few of which are: Tomato ketchup, Mayonnaise, Worcestershire sauce, chili sauce, tomato chutney, "Manor" relish, puree of tomatoes, sweet pickles, pickled limes, pimientos, pepper sauce, liquid paprika, burnt onion sauce, mushroom ketchup, walnut ketchup; also green turtle, olives, spices, curry powder, celery salt, baking powder, condensed milk, mustard, cream of tartar, borax, bluing, starch, hominy, oatmeal, wheat, farina, wheat protein and other cereals, gelatine, flavoring extracts, fruit coloring, ammonia, etc. Bottlers and jobbers of foreign and domestic wines, liquors, ales, etc. Cable address, "Hazard," New York. Codes, Western Union, A B C and Scattergood's.

Hazel-Atlas Glass Company, Wheeling, W. Va. New York office, 253 Broadway; Chicago office, 36 La Salle street. Works at Washington, Pa., and Clarksburg, W. Va. Mason improved jars, Mason fruit jars, Atlas special wide mouth fruit jars, Hazel fruit jars, safety valve jars, quinine bottles, condiment jars, catsup bottles, talcum bottles, ointment pots, petrolatum bottles, patch boxes, opal cheese jars, opal beef jars, snuff bottles, olive bottles, olive oil bottles, and other special jars for packers' use; glass tumblers and jelly glasses; Mason fruit jar caps. Cable address, "Hazel," Wheeling. Code, Western Union.

Headley & Farmer Company, Newark, N. J. New York office, 14 Astor place. Sole leather trunks and hat boxes, dress suit cases, traveling and toilet fitted bags, dress and steamer trunks, gentlemen's personal trunks, gentlemen's and ladies' hat boxes, valises, shawl and trunk straps. Cable address, "Azotador." Codes, Western Union and A B C.

Heath & Milligan Manufacturing Company, 170 Randolph street, Chicago, Ill. Paints of all kinds; dry colors; colors ground in oil, japan, etc.; mixed paint, white lead, etc. Jobbers of painters' supplies of every description. Foreign agents: Charles Atkins & Co., Melbourne; E. H. Terry & Co., Ltd., Johannesburg; Lewers & Cooke, Honolulu. Cable address, "Heathmill," Chicago. Code, A B C.

A. J. Hedges & Co., 90 Mechanic street, Newark, N. J. New York office, 12 John street. Gold jewelry.

James G. Heggie, Irving street, Joliet, Ill. Manufacturer of boilers.

Frank P. Heid & Co., Inc., Thirteenth and Wood streets, Philadelphia, Pa. New York office, 818 Broadway. Fine cloth headwear for men, women and children.

Henry Heide, 84-90 Vandam street, New York. Manufacturer of "Diamond Brand" confectionery; specialties: licorice pastilles, mint and assorted jujubes. Special attention paid to export orders. Agents for Great Britain: James Methven, Son & Co., 28 Martin's Lane, Cannon street, London. Cable address, "Lilacine," New York.

The Heilman Machine Works, Evansville, Ind. Traction and portable engines; Corliss and stationary slide valve engines; mine hoisting en-

gines; steam boilers, tubular and fire-box; threshing machines, circular and band saw mills, and sheet iron work.

Heintz Brothers, 64 South Division street, Buffalo, N. Y. Gold rings.

H. J. Heinz Company, Pittsburg, Pa. Manufacturers and producers of fifty-seven varieties of pure food products. Some of our specialties: Baked Beans with Tomato Sauce, Vegetarian Baked Beans, Tomato Soup, Tomato Chutney, Evaporated Horse Radish, Tomato Ketchup, Sweet and Sour Pickles, Mustard Dressing, Preserved Fruits, Jellies, Brandied Mince Meat and Vinegars. Foreign branch in London. Cable address, "Heinz," Pittsburg. Codes, A B C Fourth and Fifth editions, A 1 and Western Union.

A. H. Heisey & Co., Inc., Newark, Ohio. New York office: C. B. Marter, 42 West Broadway. Table glassware, stemware and tumblers of all kinds; flower vases, candlesticks, candelabra, etc.; specialties. Cable address, "Regaco," Newark, Ohio. Code, A B C. Catalogue on application.

Heller Brothers Company, 879 Mount Prospect avenue, Newark, N. J. Horse rasps, files, farriers' tools; clay crucible tool steel. Cable address, "Heller," Newark. Codes, Lieber's and Western Union.

Helmers, Bettmann & Co., Eighth and Dublin streets, Cincinnati, Ohio. Men's medium and fine shoes; Goodyear welts in Vici kid, patent leather of all descriptions, box and wax calf, etc.; also oxfords.

Helvetia Milk Condensing Company, Highland, Ill. Factories at Highland and Greenville, Ill., and Delta, Ohio. Highland brand evaporated cream (an unsweetened condensed milk). Foreign agents: Andrews & George, Yokohama; M. A. Clarke, Manila; Carlos Arnoldson & Co., Havana; Curtis Bros., Chefoo, China; John Little & Co., Ltd., Singapore; Strong & Trowbridge Co., New York, for South Africa. Cable address, "Cream," Highland, Ill. Codes, A B C Fourth edition, A 1, Lieber's and Western Union.

H. A. J. Helvig, 262 Pearl street, New York. Marine lanterns and lamps, tin and galvanized sheet metal goods, stamping and spinning. Jobbers of marine hardware, paints, tackle blocks, axes, machinery, tools, dies and specialties; glass globes and chimneys for marine goods. Cable address, "Helvig," New York.

The Hemingray Glass Company, Covington, Ky. Works at Muncie, Ind. Screw glass insulators for all purposes; fruit jars, lamps, lantern globes, candy jars, molasses cans, bird baths, seed cups, founts, fish globes, aquaria, cake and cheese covers. Cable address, "Hemingray," Covington. Code, Lieber's.

Hench, Dromgold & Co., York, Pa. Saw mills, saw mill dogs, portable and stationary engines, grain drills, corn planters, riding and walking cultivators, lever wheel spring tooth harrows, float spring tooth harrows, lever spike tooth harrows; plows: shovel, cast iron, cast steel, stirrup, double mold and sugar; plow beams and plow handles; cider presses, hand or power; trucks: bag, box, cotton, factory, lumber, platform and warehouse; truck wheels with rubber covers; corn shellers and cleaners; corn separators, hand or power; cant hooks, lawn chairs, horse hay forks. Foreign sales made through Hench, Dromgold & Co., 66 Beaver street, New York. Cable address, "Adverbial," New York. Code, A B C.

Henderson Cotton Mills, Henderson, Ky. Brown sheetings in five different grades.

The Henderson Lithographing Company, 418 Sycamore street, Cincinnati, Ohio. Lithographic work in all branches, advertising novelties, fans, calendars, folders, etc. Cable address, "Hendlitho," Cincinnati. Code, Western Union.

The Henderson-Ames Company, Kalamazoo, Mich. Military and secret society uniforms; military equipments, swords, belts, etc.; dress suit cases; badges, secret society regalia and paraphernalia; lodge furniture.

The Hendey Machine Company, Torrington, Conn. New York agents: Manning, Maxwell & Moore, 87 Liberty street. Engine lathes, shapers, and milling machines. Foreign agents: Charles Churchill & Co., Ltd., London and Birmingham; Schuchardt & Schütte, Berlin, Vienna, Stockholm, St. Petersburg, Cologne, Brussels, Liège, Paris, Milan and Bilbao; Stüssi & Zweifel, Milan, for Milan. Cable address, "Hendey," Torrington. Codes, A B C, Lieber's and private.

Hendricks Brothers, 49 Cliff street, New York. Works at Soho, N. J. Sheet and bar copper, copper wire. Jobbers of ingot copper, block tin, spelter, lead, antimony, bismuth, nickel. Cable address, "Hendricks," New York. Codes, A B C Fifth edition and Lieber's.

The Hendrie & Bolthoff Manufacturing and Supply Company, 1635 Seventeenth street, Denver Col. General mining and milling machinery, mine hoisting engines, concentrators, stamp mills, reduction works, electric mine hoists, electric drills, crushers, rolls. Jobbers of boilers, engines, pumps, saw mills, air compressors, electric generators, motors and supplies, pipes and fittings. Cable address, "Hendrie," Denver. Code, Western Union.

Joshua Hendy Machine Works, 38 Fremont street, San Francisco, Cal. Works at North Beach, San Francisco. Quartz mining machinery, hydraulic mining machinery, stamp mills, automatic ore feeders, ore concentrators, compressors, saw mills, architectural iron castings, hoisting engines and steam engines. Jobbers of cream separators, steam turbines, pumping machinery, boilers and steam engine fittings. Cable address, "Hendy," San Francisco. Codes, Lieber's, Standard, A B C Fourth edition, Western Union, Moring & Neal's.

The Henneberry Company, 554 Wabash avenue, Chicago, Ill. Printers and bookbinders.

Hennessey & Thomson, 998 Western avenue, Lynn, Mass. Ladies' boots and shoes. Foreign agents: Colebrook & Knight, Ltd., London.

The Herbrand Company, Fremont, Ohio. Bicycle and automobile wrenches, carriage body loops, Bailey body hangers, Herbrand gear irons. Foreign agents: Seabrook Bros., London, Eng.; John Millen & Sons, Montreal, Canada. Cable address, "Herbrand," Fremont. Code, A B C.

The Hercules Buggy Company, Evansville, Ind. Buggies, surreys, road and spring wagons.

Hermann Oak Leather Company, 4056 North Main street, St. Louis, Mo. Oak harness leather. Cable address, "Herkoe," St. Louis. Code, Western Union.

Hero Fruit Jar Company, Gaul and Adams streets, Philadelphia, Pa. Machine oilers, can screws, and all kinds of small sheet metal wares made from brass, copper, zinc, tin plate and aluminum; caps for Mason's fruit jars; silverware; heavy nickel silver a specialty; silver plated ware for hotels and private houses; lavatory supplies such as towel racks, soap cups, tooth brush holders, toilet paper boxes, etc., of "Luna" metal.

Heroy & Marrenner, 2276 Lumber street, Chicago, Ill. New York office, 62 Vandam street. Mirrors. Cable address, "Glasco," Chicago. Code, private.

Herring-Hall-Marvin Safe Company (Successor to Herring & Co. and Marvin Safe Company, New York; Hall's Safe and Lock Company, Cincinnati, Ohio, and Farrel & Co., Philadelphia, Pa.), 400 Broadway,

New York, and 605 Market street, San Francisco, Cal. Works in New York city and Hamilton, Ohio. Fireproof safes, fire and burglar proof safes, safes and messenger boxes for coin; fire proof, and fire and burglar proof vaults or strong rooms; bank and safe deposit vaults and boxes; sectional safes for mule transportation; combination and key locks, time locks, etc. Cable address, "Fireproof," New York or San Francisco. Code, Western Union.

H. Herrmann, 254 Canal street, New York. Branches in Oswego, N. Y., Ashland and Beattyville, Ky., and Evansville, Ind. Office and dining room furniture; chamber suits; plumbers' cabinet work; hardwood lumber and dimension stock. Foreign branch in London. Cable address, "Locksmith," New York. Codes, A B C and Western Union.

Herron Pump and Foundry Company, 808-838 Boyce street, Chattanooga, Tenn. Steam pumps, steam pumping machinery, fire hydrants, gate valves, indicator posts, water works accessories, gray iron and brass castings. Cable address, "Herbra," Chattanooga. Code, Western Union.

Hersey Manufacturing Company, 314 West Second street, South Boston, Mass. Meters: water, oil, beer; Sugar Machinery: sugar driers or granulators, cube sugar presses, bar and cut sugar machines; Soap Machinery: pumps, frames, cutters, remelters, and foot, steam and automatic presses; Drying Machinery: sugar, salt, soda, sand, malt, coffee, feed and fertilizer; Malt Machinery: malt drums, malt driers. Foreign agents: for Meters, Compagnie des Compteurs, Paris; for Malting Machinery, Holst & Fleischer, Christiania. Cable address, "Quohersey," Boston. Code, A B C Fourth and Fifth editions.

Hess, Goldsmith & Co., 53 Greene street, New York. Mills at Wilkes-Barre, Pa. Broad silks (dress silks), crêpe de Chine. Cable address, "Hessgold," New York. Code, Western Union.

The William G. Hesse & Son Manufacturing Company, Leavenworth, Kan. Business vehicles of every description: spring, delivery and transfer wagons; trucks, omnibuses, wagonettes, fire apparatus, and special vehicles for all lines of business; tops, cushions, backs and finished wagon wood stock. Jobbers of all kinds of vehicle supplies. Cable address, "Hesse," Leavenworth. Code, Western Union.

George C. Hetzel Company, Chester, Pa. Worsted and woolen goods: dress goods, suitings, trouserings, etc.

The Heyden Chemical Works, 40-44 Pine street, New York. Works at Garfield, N. J. Salicylic acid, sodium salicylate, salve, oil wintergreen, saccharin, ethers, vanillin, pharmaceutical products. Cable address, "Heyden." Codes, Lieber's and A B C.

Heyl & Patterson, Incorporated, 51 Water street, Pittsburg, Pa. Works at Pittsburg and Allegheny, Pa. Contracting engineers and machinists: labor-saving machinery, pig iron casting machines, coal and ash handling plants, coal washing plants, conveying and elevating machinery. Jobbers of chains and sprocket wheels. Cable address, "Heylpat," Pittsburg. Codes, A B C Fourth edition and Lieber's.

The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Book binders' and paper rulers' machinery, and ruling pens. Cable address, "Hickok," Harrisburg. Code, Western Union.

F. M. Hicks & Co., 277 Dearborn street, Chicago, Ill. Works at Chicago Heights, Ill. Locomotives—all kinds; coaches; all kinds of cars—freight, passenger, private and official; railway equipment of all kinds. Jobbers of railway supplies, coach hardware, car furnishings. Cable address, "Quipment," Chicago. Codes, Western Union and Lieber's.

The Higgin Manufacturing Company, Fifth street and Washington avenue, Newport, Ky. Screen department: metal fly screens and screen doors. Carriage goods department: carriage trimmings, curtain fasteners, curtain lights, carriage knobs, knob eyelets, wagon curtain patches, canopy top fasteners, hub band shells and caps, top rests, clinch tufting buttons, etc. Game board department: combination parlor game boards. Jobbers of saddle nails, lining nails, eye tufting buttons. Cable address, "Higgenco," Newport. Code, Western Union.

Chas. M. Higgins & Co., 271 Ninth street, Brooklyn, N. Y. Higgins' American Drawing Inks and Carbon Writing Inks; Higgins' Photograph Mounting, Drawing Board Pastes and "Taurine" Mucilage. Foreign branch: 106 Charing Cross road, London. Cable address, "Plicated," Brooklyn or London. Code, Western Union.

The Highland Iron and Steel Company, Terre Haute, Ind. Merchant bar iron and steel; sizes: flats from ¾ inch to 12 inches wide; rounds and squares $\frac{5}{16}$ inch to 4 inches.

Hightower Box and Tank Company, Humphries and Glenn streets, Atlanta, Ga. Wooden boxes, tanks and pails.

Hildreth Varnish Company, 32 Broadway, New York. Varnishes and japans. Foreign agent: Adolf Oesten, Berlin. Cable address, "Hilvarco," New York.

Hilgartner Marble Company, Sharp and Ostend streets, Baltimore, Md. Chicago office, Monon block. Interior marble and plumbers' slabs. Jobbers of sawed slabs and marble in blocks. Cable address, "Hilgartner," Baltimore. Code, A B C Fifth edition.

The Hill Clutch Company, Cleveland, Ohio. Shafting, plain and clutch pulleys; clutch couplings, bearings, hangers, floor stands, and transmission machinery for belt, rope and gear drives. Cable address, "Hillclutch," Cleveland.

Hill Publishing Company, World building, New York. Copper halftone printing plates; fine catalogue printing; publishers of technical papers: *American Machinist*, weekly, and *Power*, monthly; *The Engineering and Mining Journal*, weekly. Cable address, "Machinist," New York. Codes, A B C, Lieber's and Western Union.

William E. Hill & Co., Kalamazoo, Mich. Saw mill machinery of all kinds, particularly for large mills; vertical automatic engines; pulp mill machinery; conveying and power transmission machinery; woodcutting and splitting machinery, lath machinery, stave mill machinery. Cable address, "Niggers," Kalamazoo. Codes, Lieber's and Western Union.

Hilliard & Tabor, 262 Winter street, Haverhill, Mass. Women's turned McKay sewn and Goodyear boots, shoes and slippers, and men's turned slippers. Foreign agents: Warren & Strang, Sydney; J. Mazon & Jimenez, Havana. Cable address, "Hilltabor," Haverhill. Code, Western Union.

Himmelberger-Harrison Lumber Company, Morehouse, Mo. Mills at Morehouse and at Cairo, Ill. Hardwood lumber, air or kiln dried; flooring, siding and inside finish; wagon material. Red gum lumber a specialty. Cable address, "Himmeluce," Morehouse, Mo. Codes, A B C and Telecode.

Edward Hines Lumber Company, Chicago, Ill. Pine and hemlock lumber.

Nathan H. Hirshberg & Son, 215-217 West Pratt street, Baltimore, Md. Manufacturers of picture mouldings, frames, framed pictures, mirrors. Framed pictures a specialty; write for catalogue.

H-O (Hornby's Oatmeal) Company, Buffalo, N. Y. New York office, Produce Exchange. Seventeen other branches in the largest American cities. Mills at Buffalo, N. Y., Chicago, Ill., and Hamilton, Ont., Canada. H-O (Hornby's Oatmeal), rolled oats in barrels and sacks, self-raising flour and buckwheat, rolled wheat, hominy; "Force," a cold flaked food, ready to eat, consisting of the whole wheat scientifically combined with barley malt; dairy feed, horse feed and poultry feed. Foreign agents: Donszelmann & Co., Rotterdam; the "Force" Food Co., London and Sydney; C. S. Christensen, Christiania; Eugene Bewer, Moscow; Getz Bros., Shanghai; Lewis & Co., Honolulu. Cable address, "Hoco," Buffalo. Codes, A B C, Riverside, Western Union and private.

Hodell Furniture Company, Shelbyville, Ind. Furniture: mantel folding beds of quarter oak, ash and imitation mahogany; dressers, chiffoniers, washstands and bedsteads of quarter oak and ash.

Hodgman Rubber Company, 806 Broadway, New York. Works also at Tuckahoe and Wakefield, N. Y. India rubber clothing, India rubber druggists' sundries, India rubber mackintoshes and rain coats, India rubber coated cloths, etc., etc. Cable address, "Arbiter," New York.

Hoffman Brothers Company, 800 West Main street, Fort Wayne, Ind. Hardwood lumber, quarter-sawed oak lumber; quarter-sawed oak veneers. Foreign agents: Churchill & Sim, London; Alfred Dobell & Co., Liverpool; Thomas Kerr & Co., Glasgow. Cable address, "Hoffman," Fortwayne. Codes, A B C, Western Union and Atlantic Directory.

Hoffman Hinge and Foundry Company, Cleveland, Ohio. Holdback and non-holdback spring hinges, can openers, clothes line hooks, wagon door locks, fruit jar wrenches, gate latches, contractors' supplies, harness hooks, steel whiffletree springs, hose menders, boiler stands, sink brackets, barrel bolts, breast strap slides, "C. & C." gauges, porch supports, emery wheel dressers, toy cannons; haberdashers' display racks; pneumatic hose couplers; advertising novelties; a specialty of light gray iron castings of all descriptions, mostly automobile and register work.

Hoffman-Ahlers Company, Inc., 435 East Front street, Cincinnati, Ohio. Distilling and redistilling apparatus, general coppersmith work, vacuum pans, copper storage tanks, wood alcohol machinery, chemical apparatus, etc. Foreign agent: J. H. Bloomberg, Mexico City. Cable address, "Haco," Cincinnati. Code, Western Union.

Hoffmann & Billings Manufacturing Company, 100 Second street, Milwaukee, Wis. Export office: C. A. Jaynes, St. Paul building, New York. All kinds of brass and iron goods for gas, water and steam. Jobbers of all kinds of articles used by plumbers and steam fitters.

J. G. Hoffmann & Sons Company, Wheeling, W. Va. Star oak harness leather.

The Hoggson & Pettis Manufacturing Company, 64 Court street, New Haven, Conn. Sweetland lathe chucks, Porter belt tighteners, rubber manufacturers' supplies, and organ stop knobs and rods; "Antiseptic" letter press copying cloth bath. Jobbers of Pratt drill chucks. Cable address, "Puissant," New Haven. Code, private.

Holbrook, Merrill & Stetson, 221 Market street, San Francisco, Cal.; branch at Los Angeles, Cal. New York office, 256 Broadway. Tin, sheet iron and copper enameled kitchen and housefurnishing ware, pails, stoves, ranges, etc. Jobbers of tin plate, sheet steel (black and galvanized); copper, iron and lead pipe; pumps, wire, zinc, lead, pipe fittings, tinners' trimmings, tinners' and plumbers' tools and machines,

plumbers' supplies of all kinds; coal, wood, gas and oil stoves and ranges (cooking and heating); refrigerators; farmers' boilers and cauldrons, kitchen furnishing goods. Cable address, "Holmerson," San Francisco. Codes, Western Union, Lieber's, A B C, 1901 and private.

Hollingsworth & Vose Company, 141 Milk street, Boston, Mass. Manufacturers of rope manila paper.

Henry Holmes, Troy, N. Y. New York office, 31 Union Square West; Chicago office, 207 Jackson Boulevard. Linen collars and cuffs.

H. E. Holmes & Co., 738 Folsom street, San Francisco, Cal. All classes of vehicles: delivery wagons, spring wagons, pleasure vehicles, dump carts, road carts, buggies, surreys, laundry wagons, bakers' wagons, and carriages and trucks. Painting, trimming and general repairing. Repairing automobiles and engines in all parts. Jobbers of farm wagons, carts, lumber trucks.

The Holmes Lime Company, Inc., 22 Sacramento street, San Francisco, Cal. Works, Felton, Newcastle and Colfax, Cal. Lime, hydrated lime, barrels, marble dust. Jobbers of cement, fire brick, fire clay, plaster, fire tiles, sand, hair, fiber, brick dust.

Holt-Granite Manufacturing Company, Haw River, N. C. Coarse colored cotton goods; plaids, cheviots and chambrays. Selling agents: Cone Export and Commission Co., 74 Worth street, New York.

The Holt Manufacturing Company, Stockton, Cal. Combined harvesters, traction engines, Stockton improved scrapers, Fresno scrapers (or Buck scrapers), logging wheels, carriage and wagon wheels. Cable address, "Holt," Stockton. Code, Western Union.

The Holtzer-Cabot Electric Company, Brookline, Mass. New York office, 143 Liberty street; Chicago office, 397 Dearborn street. Motors, dynamos, telephone apparatus, gas-engine igniters and electric gas lighting apparatus; watchman's time detectors, annunciators. Foreign agents: E. H. Cadiot & Cie, Paris; Ubach Hnos. y Campdera, Barcelona; Anglo-Italian Commerce Company, Milan; New York Export & Import Co., China, Japan, Siberia, Korea, Philippine Islands, India, Java, Sumatra, Africa, Arabia, Persia, Burmah, the Malay Peninsula, Straits Settlements, Borneo, Siam and Formosa. Cable address, "Holtzer," Boston. Codes, A B C Fourth edition, Western Union and Atlantic Directory.

The Home Rubber Company, Trenton, N. J. Rubber hose, belting, packing, valves, gaskets; rubber matting, pressed and perforated mats; specialty: the celebrated "N. B. O." sheet rubber packing, guaranteed to outlast any rubber packing under steam, oil or acid use. Foreign agent: R. Y. Vidal, Havana. Cable address, "Stokes," Trenton. Code, Western Union.

Hood Rubber Company, 99 Bedford street, Boston, Mass. Factory at East Watertown, Mass. Rubber boots and shoes. Foreign agents: American Boot Importing Co., London; Gavin, Gibson & Co., Christchurch, New Zealand, Sydney and Melbourne. Cable address, "Hoodrub," Boston. Codes, Western Union and private.

C. A. Hooper & Co., 204 Front street, San Francisco, Cal. Works at Los Medanos, Cal. Lumber and its manufactured products, such as doors, windows, tanks, wood pipe, siding, ceiling, casings and mouldings. Jobbers of Oregon pine and redwood. Foreign agents: California Manila Lumber Commercial Co., Manila, P. I. Cable address, "Hooper," San Francisco. Codes, A B C, A 1, Western Union and Telecode.

The Hooven & Allison Company, Xenia, Ohio. Cordage: manila, sisal and jute rope; binder twine, commercial twines and clothes lines; hay and hide rope; baling, lath yarn and fodder twine. Code, A B C.

to manufacturers whose names are given in this book.

The Hoover-Prout Company, Avery, Ohio. Hoover potato digger and Hoover potato sorter. Foreign agents: Norman & Co., Adelaide; A. & J. Main & Co., Edinburg. Cable address, "Hoover," Avery, Ohio.

Hope Webbing Company, Pawtucket, R. I. Narrow woven fabrics, namely: boot and shoe webs, horse blanket findings and girthings, electric tapes and webbings, non-elastic webs, bed lace, corset tapes; tapes and webbings for special purposes in large variety. Cable addresses: "Hopewebco," Pawtucket, with Commercial Cable Company, and "Webco," Pawtucket, with Western Union. Codes, Atlantic Directory and Western Union.

The Hopkins & Allen Arms Company, 132 Franklin street, Norwich, Conn. Guns, both single and double; rifles, revolvers.

Horlick's Food Company, Racine, Wis. Horlick's malted milk, Horlick's malted milk lunch tablets, Horlick's food, Horlick's diastoid. Foreign agents: Horlick & Co., London; Gilmour Bros. & Co., Montreal; Feeney & Co., Buenos Aires. Cable address, "Horlick," Racine. Code, Western Union.

The Horton Manufacturing Company, 135 North Main street, Bristol, Conn. Bristol steel fishing rods, rod guides and tips, and other articles in the tackle line. Foreign agents: S. Allcock & Co., Redditch, England; H. Stork, Munich; Mimard, Blachon & Co., St. Etienne, France.

The E. Horton & Son Company, Windsor Locks, Conn. Lathe, drill and milling machine chucks; cutting-off lathe chucks, car wheel chucks; chucks for screw machines, upright drills, drill lathes and boring mills; all sizes of universal, independent, combination and drill chucks. Foreign agents: Charles Churchill & Co., London; Buck & Hickman, London; Fenwick Frères & Cie, Paris; Van Roetschoten & Houwens, Rotterdam; White, Child & Beney, Ltd., Vienna; Schuchardt & Schütte, Berlin; Benton & Galloway, Cape Town. Cable address, "Horton," Windsor Locks, Conn. Codes, Lieber's and private.

The Hostetter Company, 59 Water street, Pittsburg, Pa. New York office, 30 Cliff street. Proprietary medicines. Manufacturers of Hostetter's celebrated Stomach Bitters.

Houchin & Huber, 35-45 Fifty-third street, Brooklyn, N. Y. Machinery, implements and labor-saving devices for the soap, oil, fat, candle, spring bed and bedding industries; soap moulding and pressing dies; box printing plates and machines for printing on wood; soap kettles, tanks, crutchers, frames, cutters, slabbers; tallow, stearine and oleo presses; fat cutters and digestors; oleo plants, jacket kettles, mixers for all purposes; grinding mills for soap, ink, chocolate and paint; feather renovating and dressing machinery; wire weaving machines; disintegrators and grinders of friable substances. Cable address, "Houchuber," Brooklyn. Code, Lieber's.

E. F. Houghton & Co., 240 West Somerset street, Philadelphia, Pa. Lubricating and leather oils; Vim mechanical leather specialties: Vim leather hydraulic packings, Vim leather washers, Vim leather roll and pulley covering, Vim picker leather, Vim leather strapping and gaskets, Vim leather worsted aprons, Vim leather mill strapping; adhesive belt dressing; Marck steam traps; leather belting. Cable address, "Houghton," Philadelphia. Code, A B C American edition 1899.

The Houston, Stanwood & Gamble Company, P. O. Box 821, Cincinnati, Ohio. Works at Covington, Ky. Standard slide-valve steam engines and stationary tubular boilers.

C. B. Howard Company, Emporium, Pa. Philadelphia office, 1510 Land Title building. Hemlock lumber.

The C. W. Howard Company, Menasha, Wis. Manufacturers of sulphite fiber and all kinds of sulphite papers.

Howard Iron Works, Chicago and Granger streets, Buffalo, N. Y. New York representatives: D. H. Darrin Co., 131 Liberty street. Hand power, plunger, hydraulic and electric elevators, for passenger and freight service; Schlenker bolt cutters, Burdict bolt headers, tappers, nutters, threaders, pointers, hot pressed nut machines; vises, water hydrants, power transmission machinery, castings. Foreign agents: Schuchardt & Schütte, Berlin, Vienna, Stockholm and St. Petersburg; Alfred H. Schütte, Cologne, Brussels, Liège, Paris, Milan and Bilbao; Kates & Bok, 79 Wall street, New York; Fenwick Frères & Cie, Paris. Cable address, "Howard," Buffalo. Code, A B C.

Frank Howard Manufacturing Company, Atchison, Kan. Shirts, pants, overalls, blanket lined duck coats. Jobbers of men's furnishing goods.

James L. Howard & Co., Hartford, Conn. Every variety of trimmings for steam and electric railway cars: lamps, baggage racks, locks, sash fasteners, vestibule trimmings, platform railings, white metal washstands, patent railway water closets, etc.

Howard & Morse, 45 Fulton street, New York. Wire cloth screens or sieves of any metal; Blackman patent and National exhaust ventilator fans; wire fence, railings, partitions, guards; Solano three-cylinder engines; wire goods of all kinds. Jobbers of electric motors for direct connection to ventilating fans. Cable address, "Netting," New York.

The Howe Scale Company, 145 Franklin street, Boston, Mass. New York office, 341 Broadway. Works at Rutland, Vt. Scales, trucks, letter presses. Cable addresses: "Hapriest," Boston; "Squog," New York. Code, A B C Fourth edition.

The S. H. Howe Shoe Company, 183 Essex street, Boston, Mass. Factory at Marlboro, Mass. Men's, boys', youths', women's, misses' and children's medium grade shoes.

T. P. Howell & Co., New and Nuttman streets, Newark, N. J. Patent and enameled leather for carriage, harness and shoe manufacturers; morocco hides for upholstering railway carriages, pleasure vehicles, automobiles and furniture; embossed and Spanish leather for furniture; bookbinders' leather. Foreign agents: H. Kohnstamm, 48 Cannon street, E. C., London; J. Anderson, Jr., & Co., Copenhagen. Cable address, "Coaster," New York. Codes, A B C and Lieber's.

The Howell-Hinchman Company, Middletown, N. Y. Patent and enamel leather for carriage, furniture and saddlery trades; also Russia bookbinding and dyed furniture leathers; flexible and cut insoling, russet and fancy leathers of every description.

Hoyle, Harrison & Kaye, Front street and Indiana avenue, Philadelphia, Pa. New York office, Hartford building, Broadway and Seventeenth street. Upholstery goods; curtains, table covers and couch covers in chenille and tapestry. Cable address, "Hoyharkay," Philadelphia. Codes, Adams' Cable Codex Seventh edition and Ager's.

F. M. Hoyt Shoe Company, Manchester, N. H. New York office, 103 Reade street; Boston office, 105 Bedford street. Men's, boys', youths' and little gents' boots and shoes.

Hubbard & Eldredge Company, West street, Rochester, N. Y. Fancy chairs and rockers.

Otto Huber Brewery, Bushwick place and Meserole street, Brooklyn, N. Y. Lager beer and extract of malt. Cable address, "Goldenrod," Brooklyn. Code, A B C.

The Huber Manufacturing Company, Marion, Ohio. Road locomotives, portable engines, farm engines, grain threshers, separators and all ma-

chinery for threshing grain. Cable address, "Huber," Marion. Codes, Atlantic Directory and Western Union.

Franklin Hudson Publishing Company (successor to Hudson-Kimberly Publishing Company), 1014 Wyandotte street, Kansas City, Mo. General printing, lithographing and binding work; publishers of "International Military Series" and standard military books; map engravers. Foreign agents: Kegan Paul, Trench, Trübner & Co., Ltd., London; C. E. Fritzes, Stockholm.

Hughes Manufacturing Company, 227 Central avenue, Los Angeles, Cal. Sash, doors, blinds and general wood working line. Jobbers of glass. Cable address, "Hugbro," Los Angeles. Codes, A B C and Western Union.

Hull, Grummond & Co., 220 Water street, Binghamton, N. Y. Cigars.

Humphrey & Sons, 209 South Ottawa street, Joliet, Ill. Bone cutters, brooders, clover cutters, staple machines, steam cranes, derricks, and general foundry and machine work.

Hundley-Smith Dry Goods Company, 202 North Fourth street, St. Joseph, Mo. New York office, 43 Leonard street. Shirts, pants, overalls, duck clothing. Jobbers of dry goods (staple, foreign and domestic goods), notions, and men's and women's furnishing goods. Cable address, "Hunsmith," St. Joseph. Code, Western Union.

M. A. Hunt & Co., Fairmount, Cincinnati, Ohio. Branch at Louisville, Ky. Factory at Chattanooga, Tenn. Woven wire mattresses, cots, cribs and spring beds.

Hunter Arms Company, Fulton, N. Y. Sporting guns and electric ceiling fans. Cable address, "Hunter," Fulton. Code, A B C.

Huntley Manufacturing Company, Silver Creek, N. Y. New York office, 121 Front street. Monitor scourers for wheat, maize and barley; Monitor clipper for oats and rice; Monitor coffee millers; Monitor separators for rice, barley, maize, flax, malt, seed, roasted coffee, beans, peas, etc.; Monitor rice graders and hullers; Monitor graders for coffee and peanuts; Monitor corn meal purifiers; Monitor corn shellers; Monitor aspirators; Monitor fanning mills, flour packers, bran and feed packers, and sack packers. Foreign agents: Henry Simon, Ltd., Manchester; Lawrence & Co., Santos; Henry Simon, Sydney. Cable address, "Huntley," Silver Creek. Codes, Lieber's and Western Union.

The Hussey-Binns Shovel Company, 541 Wood street, Pittsburg, Pa. Works at Charleroi, Pa. Shovels, spades and scoops of all descriptions.

Hutchens & Potter, Johnstown, N. Y. Gloves. Cable address, "Hutter," Johnstown, N. Y. Code, A B C.

The Huttig Sash and Door Company, 1206 Manchester road, St. Louis, Mo. Sash, doors, blinds, mouldings, stair and mill work, and interior finish.

F. C. Huyck & Sons, Rensselaer, N. Y. Paper makers' felts and jackets. Foreign agents: W. G. Taylor & Co., London; The Toyo Shokwai, Yokohama. Cable address, "Huyck," Albany. Code, A B C Fourth edition.

The Hydraulic-Press Brick Company, 1212 Missouri Trust building, St. Louis, Mo. Works at St. Louis, Chicago, Cleveland, Philadelphia, Washington, Kansas City, Minneapolis, Omaha; Rochester, N. Y.; West Superior, Wis.; Findlay, Toledo and Zanesville, Ohio. Building, face, enameled and paving bricks.

Hygeia Distilled Water Company, 349 West Twelfth street, New York. "Hygeia" distilled water and lithia water, club soda, lemon soda, ginger ale, sarsaparilla. Cable address, "Hygeia," New York. Code, Western Union.

Hylo Lamp Company, Rowland and State streets, Detroit, Mich. Hylo electric lamps, Hylo Turn-Down electric glow lamps in four different styles and all candle powers; Skedoodle self-flashing sign lamps, Skedoodle socket plugs, Skedoodle gang flasher, Wynk sign frames, Wynk sign box, Nadir reflectors, Turnip advertising lamps; electric battery lamps, pocket flash lights. Jobbers of automobiles, dentists' electric apparatus. Cable address, "Hylo," Detroit. Code, Western Union.

Geo. P. Ide & Co., Troy, N. Y. New York office, 719 Broadway. Branch factories at Newburgh and Mechanicsville, N. Y. Shirts, collars and cuffs.

Illinois Glass Company, Alton, Ill. Bottles of every description. Cable address, "Bottles," Alton. Code, Western Union.

Illinois Malleable Iron Company, 30 West Monroe street, Chicago, Ill. Malleable and gray iron and brass castings to order; malleable and gray cast iron pipe fittings, unions, bushings and plugs; wrought iron nipples, electric light poles; smoke jacks for locomotive roundhouses, railway devices, steam fitters' supplies, plumbing supplies; cast iron house heating boilers, laundry stoves, hot water heaters; closet tanks and tank trimmings; automatic water closets and urinals; water works supplies. Jobbers of railway and gas works supplies. Cable address, "Imico," Chicago. Code, A B C Fifth edition.

Illinois Match Company, Joliet, Ill. Matches.

Illinois Steel Company, The Rookery, Chicago, Ill. New York office, 71 Broadway. Works at Chicago, South Chicago and Joliet, Ill., and Milwaukee, Wis. Open hearth steel plates; Bessemer steel rails, 12 to 100 lbs. per yard; fish plates and angle bars for all sections; open hearth forging ingots, blooms, billets and slabs; Bessemer and open hearth steel bars, bands, shafting and agricultural shapes; railroad spikes, bolts and nuts, rivet rods, wire rods, merchant bars and tin plate bars, structural materials; universal Portland and steel Portland cement. Represented in the principal foreign countries by the United States Steel Products Export Company, Battery Park building, New York. Cable addresses: "Illsteel," New York; "Rooksteel," Chicago. Code, Premier.

Illinois Watch Company, North Grand avenue, Ninth to Eleventh streets, Springfield, Ill. Watch movements. Cable address, "Watches," Springfield, Ill. Code, Western Union.

Illinois-Pacific Glass Company, 10 Main street, San Francisco, Cal. Bottles of all kinds in flint, green and amber color; demijohns, machine-made fruit jars and jars for packers' use; fine labels; tule tree protectors; bottle and jar covers; corrugated paper in every shape. Jobbers of corks, bottle caps, bottlers' machinery; corking, capping, labeling and filling machines; supplies for brewers, wine and liquor dealers and packers. Cable address, "Abramson," San Francisco. Codes, Western Union and private.

Imperial Coating Mills, Kalamazoo, Mich. Surface coated papers, cardboards, translucents, enameled cover paper, white and colored enameled litho paper, white and colored enameled book papers, glazed papers. Cable address, "Imperial," Kalamazoo. Code, Western Union.

The Indiana Lumber and Veneer Company, 1101 East Twenty-third street, Indianapolis, Ind. Veneer and lumber, especially sawed hardwood veneer and quarter sawed and sliced white and red oak veneer. Cable address, "Neerco," Indianapolis. Code, Western Union.

The Indiana Manufacturing Company, Peru, Ind. Refrigerators, sewing machine wood work and wood work specialties. Cable address, "Dukes," Peru.

Indiana Rolling Mill Company, New Castle, Ind. Shovel steel; ditching spades, drain spades, and all kinds of spades, shovels and scoops. Export agent: A. Z. Boyd, 56 Reade street, New York. Code, Western Union.

The Indianapolis Brewing Company, High street, Indianapolis, Ind. Lager beer and ale; bottled lager beer. Cable address, "Lieber," Indianapolis. Code, Western Union.

The Indianapolis Foundry Company, 131 South Harding street, Indianapolis, Ind. Light gray iron castings to order.

The Ingersoll Milling Machine Company, Rockford, Ill. New York office, 126 Liberty street. Heavy type milling machines; horizontal spindles, vertical spindles, combined horizontal and vertical spindles; three head and four head machines; special cutter grinders and milling cutters. Foreign agents: C. W. Burton, Griffiths & Co., London. Cable address, "Ingersoll," Rockford. Codes, Lieber's and A B C Fourth edition.

The Ingersoll-Sergeant Drill Company, 26 Cortlandt street, New York. Works at Easton, Pa., and Phillipsburg, N. J. Air compressors, rock drills, quarrying and mining machinery, coal cutters, pneumatic tools. Branch offices in London, Berlin, Paris, St. Petersburg, Johannesburg, Mexico City and Kalgoorlie. Foreign agents: Grace Bros. & Co., Ltd., London; Allis-Chalmers-Bullock, Ltd., Montreal; W. R. Grace & Co., Lima and Valparaiso; Parke & Lacy Co., Ltd., Sydney. Cable addresses: "Ironchain," New York; "Euyam," London; "Airmachine," Berlin; "Outsider," Johannesburg; "Ingersoll," Kalgoorlie; "Parex," Paris; "Ingersoll," Mexico. Codes, Lieber's and A B C.

The E. Ingraham Company, Bristol, Conn. Clocks. Cable address, "Clocks," Bristol. Code, A B C.

Inland Steel Company, First National Bank building, Chicago, Ill. Works at Indiana Harbor, Ind., and Chicago Heights, Ill. Open hearth steel billets, blooms, slabs, bars, structural sections, shafting (rough), sheets (ordinary and high grades); Bessemer steel harrow teeth, plow beams, cross-arm braces, pole steps, bars (agricultural and other special sections), angles, channels, tees, zees. Cable address, "Inland," Chicago. Code, Western Union

Inman, Poulsen & Co., Portland, Ore. Lumber: Oregon pine. Cable address, "Poulsen," Portland, Ore. Codes, A 1 and Pacific Coast Lumberman's.

Innis, Pearce & Co., Rushville, Ind. Chamber suites and chiffoniers.

Interlaken Mills, Butler Exchange, Providence, R. I. New York office and sales rooms, 111 Duane street. Works at Arkwright, R. I. Book cloths and similar fabrics.

International Cutlery Company, Fremont, Ohio. Export Department, U. J. Ulery, Manager, 7-9 Warren street, New York. Scissors, shears, tailors' and pruning shears, tinners' snips, serrated knives, razors and razor strops. Cable address, "Ulery," New York. Code, Western Union.

International Harvester Company of America, 7 Monroe street, Chicago, Ill. New York shipping office, Rooms F-1, 2 and 3, Produce Exchange. Works at Chicago, Ill.; Milwaukee, Wis.; Springfield, Ohio; Hamilton, Canada. Harvesting machinery (Champion, Deering, McCormick, Milwaukee and Plano), grain and corn harvesters and binders, mowers, reapers, hay rakes, knife grinders, headers, header binders, corn huskers and shredders, hay tedders, binder twine, cultivators, cultivators and seeders, broadcast seeders, grain and fertilizer drills, harrows, gasoline engines. General foreign offices: W. V. Couchman, Auf dem Sande

1, Freihafen, Hamburg; T. A. La Porte, 53 rue Cambon, Paris; International Harvester Company of America, 104 Spencer street, Melbourne; F. Hewetson, Casilla Correo 8, Buenos Aires; E. F. Swift, Mexico City. Cable address, "Inthasal," Chicago. Codes, Western Union, A 1, Lieber's and private.

The International Manufacturing Company, Yale avenue, Columbus, Ohio. Export office, 17 East Fourteenth street, New York. Makers of the Hallwood Cash Register. Foreign agents: Ehrlich & Riegelman, Hamburg; J. Steinert, Berlin; Gothenburg Machine Co., Gothenburg, Sweden; Simonsen & Neilson, Christiania; Schufeldt & Baring-Gould, London. Cable address, "Hallwood," Columbus, Ohio. Codes, A B C, Western Union and Lieber's.

International Paper Company, 30 Broad street, New York. Mills in New York State, Massachusetts, Maine, Vermont and New Hampshire. Paper: news print paper in rolls and sheets; manila and other wrapping papers; wall paper, coated box boards. Foreign agents: William E. Sinclair, 180 Fleet street, London; Otto Hollender, Buenos Aires; W. B. Carmichael, Sydney. Cable address, "Iponico," New York. Codes, Lieber's and Western Union.

International Shirt and Collar Company, 20 River street, Troy, N. Y. New York office, 2-4-6-8 Astor place. Factories at Rutland, Vt., and Albany, N. Y. Shirts, collars and cuffs.

International Shoe Company, 105 Summer street, Boston, Mass. Boots and shoes.

International Silver Company, Meriden, Conn. (Successor to: Factory A, Barbour Silver Co., Meriden, Conn.; Factory B, Derby Silver Co., Derby, Conn.; Factory C, Holmes & Edwards Silver Co., Bridgeport, Conn.; Factory D, Manhattan Silver Plate Co., Lyons, N. Y.; Factory E, Meriden Britannia Co., Meriden, Conn.; Factory H, Wm. Rogers Mfg. Co., Meriden, Conn.; Factory J, Rogers & Brother, Waterbury, Conn.; Factory K, Rogers & Hamilton Co., Waterbury, Conn.; Factory L, Simpson, Hall, Miller & Co., Wallingford, Conn.; Factory M, Simpson Nickel Silver Co., Wallingford, Conn.; Factory N, Wilcox Silver Plate Co., Meriden, Conn.; Factory P, Watrous Mfg. Co., Wallingford, Conn.; Factory S, Middletown Plate Co., Meriden, Conn.) New York office, 208 Fifth avenue. Canadian works at Hamilton, Ontario. Table and household goods in sterling silver and electro gold and silver plate. Foreign agents: R. M. Marples & Son, London. Cable address, "Ivesbird," New York. Codes, A B C, A 1, International Mercantile, Western Union.

International Sprinkler Company, 517 Arch street, Philadelphia, Pa. New York office, 247 Water street; Southern office, Piedmont building, Charlotte, N. C. Manufacturers of and contractors for automatic fire extinguishing apparatus, consisting of automatic sprinklers, dry and alarm valves.

International Stock Food Company, Minneapolis, Minn. International stock food, International poultry food and a general line of remedies for live stock. Cable address, "Danpatch," Minneapolis. Code, Western Union.

The Interstate Foundry Company, Sheridan street, Cleveland, Ohio. Castings of any weight; specialty: cylinders for automobile and gas engine use. Cable address, "Tifco," Cleveland. Code, Western Union.

Iowa Dairy Separator Company, Waterloo, Iowa. Dairy separators.

The Iowa Farming Tool Company, Fort Madison, Iowa. New York office, 503 Bowling Green building. Forks: hay, manure, spading, header, barley, potato, coal, coke, fish, beet; hoes: garden, plantation, cot-

ton, cane, field, beet and toy; garden rakes, steel and malleable iron; hooks: potato, manure, stone and corn; scythe snaths for grass and bush; grain and rice cradles; ox yokes and ox bows. Cable address, "Kretsinger," Fort Madison. Codes, Western Union and private.

The Ireland & Matthews Manufacturing Company, Wight street and Mount Elliott avenue, Detroit, Mich. Stove trimmings and sheet metal goods.

Iron City Tool Works, Limited, Thirty-second and Smallman streets, Pittsburg, Pa. New York agents: John H. Graham & Co., 113 Chambers street. All styles of picks, mattocks, sledges, hammers and mauls; crow bars and other styles of bars; grub hoes; all kinds of wedges; railroad, miners', contractors', blacksmiths' and quarrying tools; solid box vises. Jobbers of shovels and spades, ballast forks and handles. Foreign agents: A. Asher Smith, Sydney; C. T. A. McCormick, Mexico City. Cable address, "Ironcity," Pittsburg. Codes, Western Union and Atlantic Directory.

Ironton Engine Company, Ironton, Ohio. Stationary steam engines (high speed, Corliss and plain slide valve), steam separators and metallic packing. Cable address, "Engine," Ironton.

Irving & Casson, 150 Boylston street, Boston, Mass. Factory at East Cambridge, Mass. All kinds of fine furniture, interior finish and decoration.

Island Paper Company, Menasha, Wis. Paper manufacturers: poster, fibre, manilas, colored specialties, mill wrappers, rag and express.

Anthony Ittner Brick Company, 503 Odd Fellows' building, St. Louis, Mo. Works at Swansea, near Belleville, Ill. Pressed, ornamental and common brick.

Ivers & Pond Piano Company, 114 Boylston street, Boston, Mass. Factory at Cambridgeport, Mass. "Grand" and upright pianofortes. Cable address, "Iverspond," Boston.

Ivins, Dietz & Metzger Company, 1220 Market street, Philadelphia, Pa. New York office, 874 Broadway. Ingrain carpets, Imperial art squares, Khorassan art rugs, Kerman art rugs, Bundhar Wilton carpets, Brussels carpets, Bundhar Wilton and French Wilton rugs in carpet and small sizes, Brussels rugs in carpet sizes.

Jackes-Evans Manufacturing Company, 1944 North Main street, St. Louis, Mo. Curry combs, nested stove pipe, stove pipe elbows.

Jackson & Church Company, 321 North Hamilton street, Saginaw, Mich. Boilers, engines, castings, dredging machinery, etc.

Gustave A. Jahn & Co., Inc., 98 Wall street, New York. Syrups and rice by-products. Jobbers of rice, coffee and sugar. Cable address, "Epiglottis," New York. Codes, A B C Fourth edition and Lieber's.

James & Graham Wagon Company, Memphis, Tenn. Farm wagons and carts and log wagons.

James & Mayer Buggy Company, Lawrenceburg, Ind. Carriages, carts, two-wheelers, buggies, surreys, spring wagons, road wagons, phaetons, Cape Colony carts, jump seat buggies. Export agent: Chas. L. Wilson, 271 Broadway, New York. Cable address, "Jimmay," Lawrenceburg. Codes, A B C and Western Union.

Jamestown Lounge Company, Jamestown, N. Y. Couches, Davenports, sofas and sofa beds, leather couches; Davenport sofa beds and wardrobe box couches a specialty. Jobbers of bedroom and dining-room furniture.

The Jamestown Worsted Mills, Hall & Co., Proprietors, Jamestown, N. Y. New York office, 256 Church street. Fancy and piece dye worsted suitings, serges for men's wear; also rainproof cloths and ladies' worsted dress goods and waistings, plain and fancy.

Japanese Tissue Mills, Holyoke, Mass. Crystal crêpe decorating paper, plain and crêpe paper, paper napkins and fancy colored and decorated tissues, paper flowers and specialties.

Jarecki Manufacturing Company, Erie, Pa. Brass work for steam, water, gas and oil; malleable and gray iron pipe fittings; oil well and natural gas supplies; screw plates and pipe threading machines. Jobbers of pipe, rope and oil well supplies.

Dr. D. Jayne & Son, 242 Chestnut street, Philadelphia, Pa. "Dr. D. Jayne's Family Medicines." Cable address, "Eben," Philadelphia. Code, Western Union.

The Jeanesville Iron Works Company, Hazleton, Pa. Denver office, 1328 Seventeenth street. Mine and special pumping machinery; sinking pumps, steam and electrically driven; direct acting station pumps, simple, compound and triple expansion,—condenser, jet and surface; triplex electric station pumps; centrifugal high lift pumps; pressure pumps, furnace pumps. Foreign agents: A. S. Hay, Yokohoma; Austen Bros., Halifax, N. S.; Gibson, Battle & Co., Sydney. Cable address, "Jeanworks," Hazleton. Codes, A1 and Lieber's.

The Jefferson Glass Company, Steubenville, Ohio. New York office, 82 West Broadway. Tableware, lemonade sets and novelties in crystal and colored and opalescent glass.

Thomas B. Jeffery & Co., Kenosha, Wis. Rambler automobiles. Foreign agents: Whiteaway-Laidlau Co., Rangoon, Burmah; Wickett & Perry, Ipoh, Perak, Straits Settlements; Oates, Lowry & Co., Christchurch, New Zealand; Garlick Cycle & Supply Co., Cape Town; T. E. Thomson & Co., Ltd., Calcutta; F. B. Thanawalla, Bombay; Acme Cycle Co., Melbourne; James Smith & Son, Brisbane. Cable address, "Rambler," Kenosha. Codes, A B C, A1 and Lieber's.

The Jeffrey Manufacturing Company, Columbus, Ohio. New York office, 41 Dey street. Elevating and conveying machinery; chain, spiral, cable and rubber belt conveyors; the Jeffrey "Century" rubber belt conveyors; crushing, screening, dredging and power transmission machinery; coal mining, washing and handling machinery; electric and storage battery locomotives; coal and rock drills; chains of all styles, elevator buckets. Foreign agents: John Davis & Son, Derby, England; Gibson, Battle & Co., Sydney; Arthur Koppel, Johannesburg; Frank Perrot, Perth, Australia. Cable address, "Jeffrey," Columbus. Codes, Western Union, A B C Fourth edition, Lieber's and Atlantic Directory.

R. C. Jenkinson & Co., 289 Washington street, Newark, N. J. All kinds of sheet metal and wire goods—trunk and bag hardware, bag frames, buckles, locks, handles, bag trimmings, sample case work, hinges, and to order all kinds of automatic wire work; notions, metal stampings, shells, ferrules, washers, burs, escutcheon pins, etc. Cable address, "Jenkinson," Newark.

The R. & W. Jenkinson Company, Liberty and Twelfth streets, Pittsburg, Pa. Jenkinson's stogies. Cable address, "Jenkinson," Pittsburg.

C. E. Jennings & Co., 42 Murray street, New York. Works, Yalesville, Conn.; Port Jervis, N. Y.; Hinsdale, N. H. Mechanics' tools and hardware specialties: all kinds of augers, auger bits, ship augers, gimlets, gimlet bits, screw drivers, chisels, drawing knives, hand saws, butcher saws, buck saws; also expansion bits, hack saws, boring machines, braces, nail sets, iron levels, automatic drills, ice-crushing machines, machinists' chests, tool chests, tool cabinets, tool handles. Cable address, "Alacayo," New York. Code, A B C Fifth edition.

The Jennings Brothers Manufacturing Company, Bridgeport, Conn. New York salesrooms, 387 Broadway. Works at Bridgeport and Deep River,

Conn. Clocks, candlesticks, bronzes, silverware and art goods, nut picks and cracks, children's sets and hardware specialties.

Jewell Belting Company, Hartford, Conn. Branches at 146 Centre street, New York, and in Philadelphia and Chicago. Leather belting, belt cement, belt dressing, lace leather, pulley covering, polishing leather, cut lace, belt hooks. Cable address, "Jewell," Hartford. All principal codes.

The Johns-Pratt Company, 555 Capitol avenue, Hartford, Conn. Vulcabeston steam packings and electrical insulation; Moulded Mica, Sachs Noark fuses and electrical protective devices. General selling agents: H. W. Johns-Manville Co., New York, Boston, Chicago, Philadelphia, Cleveland, Pittsburg and St. Louis. Foreign agents: British Johns-Manville Co., 81 Fenchurch street, London. Cable address, "Johnspratt," Hartford. Code, Lieber's.

Johnson, Cowdin & Co., 84 Fifth avenue, New York. Plain and fancy silk ribbons in all varieties. Cable address, "Cowdin," New York.

The Johnson Iron Works, Limited, Julia and Delta streets, New Orleans, La. Minting machinery for manufacture of coin; steamers or vessels, wood or steel, complete; barges and lighters; marine engines and boilers and general machine work to order; brass castings; repairs to boilers and machinery of any kind. Jobbers of iron castings. Foreign agent: M. Rebolledo, City of Mexico. Code, Watkins.

Johnson Service Company, 149 Michigan street, Milwaukee, Wis. Temperature regulating apparatus, humidity regulating apparatus; pneumatic clocks, pneumatic clock and time systems, tower clocks; pneumatic automatic screw machines; air compressors; steam hose couplers for railways; electroplating; smelting furnaces; pumps; air pressure, steam pressure, pump pressure and boiler pressure governors; water level governors for boilers and tanks; gas and air governors for breweries; air and beer pumps; feed water regulators, gas pressure regulators, rheostat regulators for fans, water pressure regulators, air brake regulators, carbonic acid gas regulators, hot water regulators; galvanized iron tanks for compressed air; steam, gas and water valves; automobile carriages, wagons, trucks and drays; aluminum, brass, bronze, phosphor-bronze, copper and zinc castings, and general machine work to order. Cable address, "Jesco," Milwaukee. Code, Western Union.

Johnson & Johnson, New Brunswick, N. J. New York office, 100 William street. Medicinal and surgical plasters, absorbent cotton, antiseptic dressings, surgical supplies. Export agents: Taylor & Waldron, San Francisco. Foreign agents: John Timpson & Co., Ltd., London; Gilmour Bros. & Co., Montreal. Cable address, "Agneous," New Brunswick, N. J. Codes, A B C and Western Union.

The Johnston Glass Company, Hartford City, Ind. Manufacturers of window glass, ground and chipped glass.

William G. Johnston & Co., Penn avenue and Ninth street, Pittsburg, Pa. New York office, 396 Broadway; Philadelphia office, 420 Bourse. Manufacturing stationers, printers and binders; loose-leaf ledgers and systems. Jobbers of stationery and papers of all kinds; letter files and filing devices and cabinets.

Johnston & Murphy, 42-54 Lincoln street, Newark, N. J. Boots and shoes for men and boys, high-grade goods only. Cable address, "Jandm," Newark. Codes, Atlantic Directory and Western Union.

Joliet Manufacturing Company, corner Young's avenue and Cass street, Joliet, Ill. Full line of power corn shellers (spring and cylinder shellers) and sweep horse powers.

Joliet Stove Works, Joliet, Ill. Heating stoves and steel ranges.

Jonas & Naumburg, 7 Washington place, New York. Hatters' furs; blown furs of all kinds, and hare and coney skins prepared for export trade ready for cutters' use. Cable address, "Paviage," New York. Codes, A B C Fourth edition, Lieber's and Western Union.

Jones of Binghamton, Binghamton, N. Y. Export office, 11 Broadway, New York; David S. Hays, manager. Scales and weighing machines graduated in any foreign standard.

J. M. Jones' Sons, Watervliet (formerly West Troy), N. Y. Street railway cars, for city and suburban service. Cable address, "Jones," Watervliet, N. Y.

Jones & Laughlin Steel Company, Pittsburg, Pa. Open hearth and Bessemer billets and slabs: full assortment of sizes of beams, channels, angles, zees, tees, plates and bars; rails 8 to 40 pounds per yard; spikes, rivets and chain; cold rolled shafting and fittings for power transmission. Foreign agents for shafting and fittings: Hall & Pickles, Manchester and London; A. R. Brown, McFarlane & Co., Glasgow. Cable address, "Laujone," Pittsburg. Codes, A B C Fifth edition, Lieber's and Western Union.

The Jones Electrical Company, 62 Vesey street, New York. Electric light switches, time switching devices, electric portables, electric fans and motors, telephones, scenery attachment plugs, trolley trailer plugs, etc. Cable address, "Sonjones," New York. Codes, Lieber's and Western Union.

Paul Jones & Co., 136-140 East Main street, Louisville, Ky. "Paul Jones Four Star Whiskey."

Phineas Jones & Co., 301 Market street, Newark, N. J. Vehicle wheels and wheel stock, hubs, spokes, felloes and rims. Jobbers of finished carriages; rubber tires, pneumatic and solid. Cable address, "Phineas," Newark.

Joslin Manufacturing Company, Hartford avenue, Providence, R. I. Mills at Providence and Scituate, R. I. Shoe and corset laces.

The Joyce Cridland Company, 350 Linden avenue, Dayton, Ohio. Lever jacks, geared lever jacks, screw jacks, telescope screw jacks, traversing jacks, grip-track jacks, hydraulic jacks—all types for all kinds of lifting. Foreign agents: A. C. Lemach, Vienna; Fenwick Frères & Cie, Paris. Cable address, "Jacks," Dayton. Codes, Lieber's and Western Union.

The Judson Dynamite and Powder Company, 200 Market street, San Francisco, Cal. Works at Nobel, Cal. Dynamite. Foreign agents in Mexico: National Metal Co., City of Mexico; W. Iberri é Hijos, Guaymas; Luz Salmon, Sucs., Culiacan; Francisco Echeguren y Cia., Mazatlan; Bley Hermanos, Hermosillo; Julio Bonnaud, Opodepe, Sonora; Tener Brothers & Politzer, Magdalena, Sonora.

The Judson Governor Company, Rochester, N. Y. Metal workers, machinists and molders: steam-engine governors, globe and angle valves, register valves, asbestos plug cocks.

Judson Manufacturing Company, 301 Howard street, San Francisco, Cal. Works at Emeryville, Cal. Bar iron and steel, structural iron and steel, cut and wire nails, tacks, bolts, nuts, washers, spikes; cold rolled steel finished iron shafting, machine and bridge work, castings. Jobbers of tank, flange, machinery, tire, toe calk, plow, spring, tool, lay and pick steel; Norway iron, coil chain, rivets, pipe and boiler tubes.

The Julian & Kokenge Company, 220 East Fourth street, Cincinnati, Ohio. New York office, Alexander building, Sixth avenue and Nineteenth street; Robert Wise, local representative. Ladies' shoes. Code, Western Union.

Kabo Corset Company, 200 Monroe street, Chicago, Ill. New York office, 388 Broadway. Factories at Chicago and Aurora, Ill. Kabo corsets.

Foreign agents: Leach & Hunt, Apartado 2375, Mexico City. Cable address, "Kabo," Chicago, New York and Aurora, Ill. Code, Western Union.

Kaestner & Co., Inc., 241 Jefferson street, Chicago, Ill. Machinery for breweries, malt houses, distilleries and starch plants; white lead and paint machinery, grinding and pulverizing machinery for all purposes; electric, hydraulic and belted freight and passenger elevators. Jobbers of engines, boilers, pumps, belting, etc. Cable address, "Kaestner," Chicago. Codes, Manufacturers', A B C, Lieber's and Western Union.

Kalamazoo Knitting Company, Fourth and Fowler streets, Milwaukee, Wis. Woolen gloves and mittens, woolen and cotton hosiery. Sell to wholesalers exclusively.

Kalamazoo Paper Company, Kalamazoo, Mich. Paper: writing, envelope, bond, map, lithograph card, book and coated papers.

Kalamazoo Stove Company, Kalamazoo, Mich. Stoves and ranges for coal and wood; steel and cast iron ranges; heaters. All sold to the user exclusively.

Kalamazoo Tank and Silo Company, Kalamazoo, Mich. Wind mills, tanks and silos.

Franklin H. Kalbfleisch Company, 35 Burling Slip, New York. Works at Brooklyn, N. Y., Waterbury, Conn., Erie, Pa., and Elizabeth, N. J. Acids: sulphuric, muriatic and nitric; aqua ammonia, Glauber's salt; iron, tin and copper salts and solutions; lacquers, electrolyte, battery fluid, and all chemicals for electrical and industrial purposes, etc. Cable address, "Oquedal," New York. Codes, A B C and Lieber's.

The Kamm & Schellinger Brewing Company, Mishawaka, Ind. Lager beer and private stock export.

Elisha K. Kane, Kushequa, Pa. Planing and saw mills.

The Karges Furniture Company, Evansville, Ind. Chamber suits, beds, dressers, commodes, wardrobes, chifforobes and dressing tables.

Julius Kayser & Co., 524-528 Broadway, New York. Factory at Brooklyn, N. Y. Silk, lisle and cashmere gloves; silk, lisle and merino ladies' underwear; women's silk hose. Cable address, "Fingertip," New York. Code, Lieber's.

Keasbey & Mattison Company, Ambler, Pa. Pharmaceutical specialties; magnesia and other steam pipe and boiler coverings; asbestos papers and millboards, asbestos packings and textiles of every description. Jobbers of asbestos roofing, etc. Foreign agents: B. & S. Folding Gate Company, London; Berliner & Son, Pretoria; Sale & Co., Ltd., Yokohama; G. Sinclair Gilchrist, 327 San Martin, Buenos Aires. Cable address, "Dextro," Philadelphia. Codes, A B C Fourth edition and Western Union.

Preston B. Keith Shoe Company, Rutland square, Campello, Mass. Men's fine shoes in all styles and leathers. Export agents: Muller, McLean & Co., 116 Broad street, New York, and all their foreign offices. Foreign agent: W. M. Halbach, 83 Finsbury pavement, London. Cable address, "Konqueror," Brockton, Mass. Codes, A B C, Western Union and private.

Kelley, Maus & Co., Inc., Lake street bridge, Chicago, Ill. Bar iron and steel, wood stock, general line of heavy hardware, shovels and scoops, carriage and wagon makers' supplies, blacksmiths' and farriers' tools and supplies. Cable address, "Kelleymaus," Chicago. Code, Atlantic Directory.

Charles C. Kellogg & Sons Company, 48 Seneca street, Utica, N. Y. Branches in Ilion and Frankfort, N. Y. Doors, sashes, blinds, windows,

interior trim, planing mill products, shingles, lath and lumber. Jobbers of mahogany lumber and other foreign woods.

Kellogg Switchboard and Supply Company, 225 South Green street, Chicago, Ill. Telephones, telephone switchboards and electrical apparatus accessory to above; insulated wires, switchboard cables, flexible cords, miniature incandescent lamps, etc. Cable address, "Switchboard," Chicago. Codes, A B C and Lieber's.

John Kelly, Inc., 307 State street, Rochester, N. Y. Women's fine shoes.

Kelly Axe Manufacturing Company, Charleston, W. Va. New York office, 82 Chambers street. Axes and scythes of all kinds; boys' and hunters' handled axes.

The O. S. Kelly Company, Springfield, Ohio. Feed mills, traction engines and piano plates. Foreign agents: Clark & Fauset, Brisbane; Cliff & Bunting, Melbourne. Cable address, "Oskelly," Springfield, Ohio. Codes, Western Union and A B C Fifth edition.

Kelly Foundry and Machine Company, Goshen, Ind. Goshen and Tiger steel tanks, tank heaters and pumps, hog scalders, rural mail delivery boxes, steel feed boxes, wire lined suction hose, ash and garbage cans, lawn swings, ladders, wind-mill regulators, vehicle stoves, kitchen cabinets, feed cookers, low wagon wheels, stock fountains, poultry troughs, lawn seats, lawn swing awnings and cushions, wagon skeins, steel baskets, floats and valves, pipe, pipe fittings; boiler fronts; shaking and dumping grates, stationary grates of all descriptions, and everything in cast iron pertaining to boiler settings; general foundry work of all descriptions. J. H. Edwards, 59 Park Place, New York, agent for foreign trade. Cable address, "Kelly," Goshen. Code, Western Union.

The Kelly & Jones Company, Park Row building, New York. Branches at Pittsburg, Pa., and Chicago, Ill. Works at Greensburg, Pa. Brass and iron valves and fittings for steam, gas, water and oil; steam heating specialties: malleable iron fittings, Excelsior extra heavy regrinding valves for high pressure, standard brass disk valves, standard Jenkins disk valves, brass and iron wedge gate valves, extra heavy gate valves for high pressure, brass and iron Peet pattern double disk gate valves, radiator gate valves; Jenkins disk, Frink disk, brass disk, radiator valves; quick-opening "Jewel" radiator valves for hot water; "Universal" radiator valves, air valves, iron body globe and angle valves, iron body blow-off valves, iron foot valves, brass and iron throttle valves and expansion joints, butterfly valves, back-pressure valves, iron body engine valves, iron body Jenkins disk valves, brass and iron swing check valves, pressure regulating valves, chronometer governor valves; brass and iron steam cocks, gas and service cocks, main cocks; basin, bibb and gauge cocks; whistles; Westmoreland sight-feed lubricators, plain lubricators, water gauges, brass and glass oil cups, steam traps, damper regulators, pop safety valves, hose nozzles, "Universal" stop cocks, water cocks; brass octa. unions, steam metal brass fittings; cast-iron steam fittings, screwed and flanged; cast-iron and malleable drainage fittings, cast-iron long-turn fittings; wrought-iron pipe, malleable and Armstrong pattern stocks and dies; pipe cutters, pipe taps and pipe hangers; tube cleaners, packing; oil well, mill and mine supplies, etc. Sales made direct, or preferably through commission houses. Cable address, "Kellyjones," New York. Codes, Western Union, Lieber's and private.

The Kelly-Springfield Road Roller Company, Springfield, Ohio. Steam road rollers, steam asphalt rollers, steam rollers for golf courses and turf, road making machinery. Cable address, "Roller," Springfield, Ohio. Codes, Western Union and Lieber's.

Kelsey Heating Company, 341 West Fayette street, Syracuse, N. Y. New York office, 156 Fifth avenue. Manufacturers of the Kelsey warm

air generators and furnaces for home, church and school heating. Foreign agent, Arthur H. Merriam, 132 Pearl street, New York. Cable address, "Kelseyco," Syracuse. Code, Western Union.

Kemp & Burpee Manufacturing Company, 1117 West Fayette street, Syracuse, N. Y. The "Success" Manure Spreader. Foreign agents: Colegrave & Co., Newcastle-on-Tyne; Paul & Vincent, Dublin; Witt & Svendsen, Danzig. Cable address, "Kemp," Syracuse. Code, Western Union.

The Kendrick Promotion Company, 720-736 Exchange building, Denver, Col. Mines at Cripple Creek, Silverton, Burroughs Park, Ouray and in Park County, Col., and in other states. Smelting works at Silverton. Cement works at Deer Creek, near Denver. Oil wells and lands at Florence, Col., and in California. Fruit lands in Honduras, Central America. Mine and smelter products: copper and copper matte containing gold and silver. Portland cement, fire brick, pressed brick and pottery clays; fuel oil, illuminating oil; bananas, manufactured products of bananas, and starch. Cable address, "Kendrick," Denver. Codes, Lieber's, Western Union, Moring & Neal's, A B C, Atlantic Directory and Bedford McNeal's.

The Kennedy Valve Manufacturing Company, 57 Beekman street, New York. Works at Coxsackie, N. Y. Bronze and iron valves for water, steam, gas, oil, etc.; gate, check, globe and angle valves; hydrants and indicating valves for fire protection. Foreign agents: British Steam Specialties, Ltd., Leicester, Eng., agents for Great Britain; New York Export and Import Co., 56 Pine street, New York, agents for Holland and the Far East. Cable address, "Gatevalves," New York. Codes, Lieber's, A B C and private.

The Kennesaw Marble Company, Marietta, Ga. Monuments, wash bowl slabs, tiling and interior marble for buildings. Jobbers of Georgia and Italian marble sawed to size or cut and polished. Cable address, "Kennesaw," Marietta.

George A. Kent Company, Binghamton, N. Y. Cigars, wholesale only. Cable address, "Aken," Binghamton. Code, Atlantic Directory.

Kentucky Refining Company, 2017 Shelby street, Louisville, Ky. Mills in several Southern states. Cotton seed oil, cotton oil soap, stearine, cotton seed meal and cake. Cable address, "Refinery," Louisville. Codes, Lieber's, Twentieth Century, A B C Fourth and Fifth editions and private.

Kentucky Wagon Manufacturing Company, Louisville, Ky. Farm wagons, log wagons and carts. Cable address, "Wagons," Louisville. Code, A B C.

Kerr Murray Manufacturing Company, Fort Wayne, Ind. Gas works machinery and gas holders.

Kertscher & Co., 13 Lawrence street, New York. Factory at Elmira, N. Y. Interior hardwood cabinet work and veneered doors.

Ketterlinus Lithographic Manufacturing Company, Fourth and Arch streets, Philadelphia, Pa. Lithographing. Manufacturers of advertising novelties. Cable address, "Keterlinus," Philadelphia. Codes, A B C and Western Union.

Keuffel & Esser Company, 127 Fulton street, New York. Works at Hoboken, N. J. Drawing materials, surveying instruments, measuring tapes, drawing ink, levels, pencils, computing scales, school supplies, steel and slide rules, architects' supplies, furniture for drafting rooms, photo-printing materials, blue print papers. Cable address, "Keuffel," New York. Code, private.

Keystone Driller Company, Beaver Falls, Pa. Artesian well drilling machinery, oil well machinery, mineral prospecting machinery, placer testing machinery and oil well tools. Jobbers of pipe. Foreign agents: S. L. Perelman, St. Petersburg; Mangold Bros., Port Elizabeth, Cape Colony. Cable address, "Driller," Beaver Falls. Codes, Western Union, A B C Fourth and Fifth editions and Adams Cable Codex.

Keystone Farm Machine Company, York, Pa. Export office, 11 Broadway, New York. Agricultural implements—corn shellers and planters, cultivators, feed cutters, shredders, horse powers, berry presses, fertilizer distributors, plows, seeders, weeders, field rollers, harrows, wheelbarrows, swings, settees, barrel trucks, grinding mills; tortilla, cider, corn and hominy mills. Cable address, "Keymaco," New York.

Keystone Lubricating Company, Twentieth street and Allegheny avenue, Philadelphia, Pa. Keystone high grade lubricating grease. Cable address, "Keylubric," Philadelphia. Codes, Lieber's, A 1 Fourth edition and Western Union.

The Keystone Plaster Company, Chester, Pa. Branch offices in Williamsport, Pa., Philadelphia and Washington. Calcined plaster and plaster boards for fireproofing construction; also all products of gypsum. Cable address, "Keyplaster," Chester. Code, Atlantic Directory.

The Keystone Type Foundry, Ninth and Spruce streets, Philadelphia, Pa. New York house, William and Spruce streets. Western agents: Champlin & Smith, 121 Plymouth place, Chicago. Other agencies: The Richmond Type and Electrotype Foundry, Richmond, Va.; J. H. Schroeter & Bro., Atlanta, Ga. Type, printers' supplies, brass rule, ruling machines, paper cutters, toilet paper machinery. Foreign agents: Soldan & Co., 72 Turnmill street, London; Wesselhoff and Zimmerman, Nottingham and London; John Dickinson & Co., Cape Town, Calcutta and Sydney. Cable address, "Keyfound," Philadelphia.

The Keystone Watch Case Company, Philadelphia, Pa. Keystone-Elgin watches: 18-karat, 14-karat and 10-karat solid gold; "J. Boss 14-karat" filled, guaranteed twenty-five years; "J. Boss 10-karat" filled, guaranteed twenty years; "Cyclone" filled, guaranteed ten years; "Bee Hive" filled, guaranteed five years; sterling silver, silveroid and electro; fitted with movements of all grades manufactured by the Elgin National Watch Company, and sold as complete "Keystone-Elgin" watches. Foreign branches in London, Hamburg, Cape Town, Johannesburg, Melbourne, Sydney, Auckland, Perth, Brisbane, Singapore, Honolulu, Manila, Havana, Rio de Janeiro, Buenos Aires, Lima and Santiago, Chili. Cable address, "Boss," Philadelphia. Codes, A B C Fourth and Fifth editions, Lieber's, Western Union and private.

The W. H. Kiblinger Company, Auburn, Ind. Buggies, surreys, phaetons and wagons. Export office, 256 Broadway, New York.

The Kier Fire Brick Company, 341 Sixth avenue, Pittsburgh, Pa. Works at Salina, Pa. Fire brick and tile.

Kilbourne Manufacturing Company, Troy, N. Y. Wire goods, hardware specialties, house draught screens and easels, stove trimmings, etc.

The Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio. New York office, 65 Dey street. Railroad and warehouse trucks, baggage barrows, sugar cane cars, plantation cars, steel troughs and steel shapes of various kinds; wrought steel sinks, steel shop pans and steel barrels; wheel and drag scrapers, contractors' dump cars and carts, grading plows and wheelbarrows of all kinds; steel, ore and mine cars, tubular wheelbarrows and small cars of every kind. Cable address, "Kilbourne," Columbus. Codes, A B C Fourth edition, Atlantic Directory, Lieber's, A 1, Western Union and private.

Dr. Kilmer & Co., Binghamton, N. Y. Swamp-Root (the great kidney, liver and bladder remedy), $4.00 and $8.00; Ocean-Weed Heart Remedy, $4.00 and $8.00; Female Remedy (cures female complaints), $8.00; Cough-Cure (Consumption Oil), $2.00 and $4.00; U. & O. Anointment (cures piles, old sores, pains, etc.), $2.00 and $4.00; Autumn-Leaf Extract (uterine injection), $4.00; Prompt Parilla Liver Pills, $1.50; Hard Rubber Pile Pipe (for applying U. & O. Anointment), $3.50. Cable address, "Kilmer," Binghamton.

Kimball Bros. & Sprague, 157 Centre street, Brockton, Mass. Last turning, tack making and wire nail machinery. Jobbers of leather belting, wood pulleys, shafting, etc. Cable address, "Sprague," Brockton, Mass. Codes, A B C Fourth and Fifth editions and Western Union.

Alfred Kimball Shoe Company, Lawrence, Mass. Men's and boys' McKay sewn shoes, high or low cut.

W. W. Kimball Company, southwest corner Wabash avenue and Jackson boulevard, Chicago, Ill. New York office, 150 Fifth avenue. Pianos; reed, pipe, self-playing reed and self-playing pipe organs; piano players, piano and organ stools and piano scarfs. Cable address, "Kimball," Chicago. Code, Western Union.

Kimberly & Clark Company, Neenah, Wis. Book paper.

King Iron Works (H. G. Trout), Buffalo, N. Y. Marine engines and general repairing; propeller wheels to order.

King Paper Company, Kalamazoo, Mich. Super-calendered and extra machine finished book, map, lithograph, plate, folder paper, etc. Cable address, "Kipaco," Kalamazoo. Code, Western Union.

The King Philip Mills, Fall River, Mass. Fine cotton goods: cambrics, muslins, lawns, sateens. Selling agent: W. L. Wellington, 27 Thomas street, New York.

King & Hamilton Company, Ottawa, Ill. Power corn shellers, cultivators, grain elevating machinery and farm wagons.

Kingan & Co., Ltd., Indianapolis, Ind. New York office: Kingan Provision Co., Manhattan market. Provisions, lard, canned goods, sausages, etc. Foreign agents: William J. Reid, 61 rue de l'Arcade, Paris; Kingan & Co., Ltd., Belfast. Cable address, "Kingans," Indianapolis. Code, private.

The Kinnear & Gager Company, Columbus, Ohio. Eastern warehouse and office, 125 Broad street, Boston, Mass. New York office, 726 Lexington avenue. Stamped steel ceilings, wainscoting and side walls; paneled fire shutters, etc. Cable address, "Kingage," Columbus. Codes, Western Union and Lieber's.

The Kinnear Manufacturing Company, Columbus, Ohio. New York office, 45 Vesey street. Steel rolling fire proof doors and shutters. Cable address, "Kinnear," Columbus, Ohio. Codes, A B C Fourth and Fifth editions, Lieber's and Atlantic Directory.

The Kirk-Latty Manufacturing Company, Malcolm street, Cleveland, Ohio. Bolts, nuts, rods, screws and rivets; all kinds of special bolts, nuts and threaded studs made to specification; also children's all-steel express wagons, wheelbarrows and velocipedes.

Kistler, Lesh & Co., 597 Atlantic avenue, Boston, Mass. Works at Lock Haven, Mt. Jewett, St. Mary's and Johnsonburg, all in Pa.; Morganton, N. C.; Elkins, W. Va. Sole leather, both Union and oak; belting leather. Cable address, "Hixfenal," Boston.

Kitson Machine Company, Lowell, Mass. Cotton mill machinery, cotton openers and lappers, waste-working machinery.

Thomas Kitson & Son, Stroudsburg, Pa. Woolen goods, cheviots, cassimeres, etc.

Klauer Manufacturing Company, corner Ninth and Washington streets, Dubuque, Iowa. Steel roofing and siding, metal ceilings, eaves trough, conductor pipes, metal window frames and sash, cornices, skylights, rain water cut-offs, elbows for conductor pipe. Jobbers of galvanized and black sheets and tin plates.

The Klein-Logan Company, South Thirteenth street, Pittsburg, Pa. Picks, mattocks, sledges, crow bars and wedges. Cable address, "Kleinlogan," Pittsburg. Code, Western Union.

Peter Klerner, New Albany, Ind. Medium price bedroom suites, odd dressers and chiffoniers.

Wm. Knabe & Co., The Lyric building, Baltimore, Md. New York office, 154 Fifth avenue. Pianos. Foreign agents: J. Herbert Marshall, 233 Regent street, London; Willis & Co., Montreal; Gourlay, Winter & Leeming, Toronto; J. L. Orme & Son, Ottawa; Morris-Feild-Rogers Co., Listowel, Canada. Cable address, "Knabe," Baltimore and New York. Codes, Western Union and Atlantic Directory.

The Kneeland-Bigelow Company, Bay City, Mich. Hemlock and hardwood lumber. Principal hard woods: maple, beech, basswood and ash, with some birch and red oak.

The Knowles, Taylor & Knowles Company, Walnut street, East Liverpool, Ohio. Pottery wares for table and bedroom use, consisting of semi-vitreous porcelain, white granite and hotel china, plain and decorated.

Knowlton Brothers, Watertown, N. Y. Colored papers, engine sized flats, cover papers and various specialties.

M. D. Knowlton Company, 29 Elizabeth street, Rochester, N. Y. Paper box machinery and supplies. Foreign agents: Andrew & Suter, 23 Goswell road, London, E. C. Cable addresses: "Stayer," Rochester, and "Sumptuous," London. Codes, A B C and Atlantic Directory.

Knox Automobile Company, Springfield, Mass. New York office, 152 West Thirty-eighth street. Gasoline automobiles. Cable address, "Knoxmobile," Springfield, Mass. Code, Western Union.

Knoxville Furniture Company, Knoxville, Tenn. Wood mantels.

The Knoxville Iron Company, Knoxville, Tenn. Manufacturers of bar iron, all sizes, and miners of bituminous coal.

Knoxville Woolen Mills, Knoxville, Tenn. All-wool and cotton warp cassimeres, cotton hosiery yarns on cones and cotton warp in long chains and beams.

Kny-Scheerer Company, 225 Fourth avenue, New York. Works at Brooklyn, N. Y. Surgical instruments and supplies, surgical operating tables and chairs, hospital beds and equipments, disinfecting apparatus, sterilizers. Cable address, "Chirurgie," New York. Codes, A B C, A 1, Lieber's and Western Union.

J. M. Kohler Sons Company, Sheboygan, Wis. New York office, 48 Cliff street. Porcelain enameled cast iron bath tubs, sinks, lavatories, drinking fountains, closets, urinals and other porcelain enameled iron plumbing goods. Cable address, "Kohler," Sheboygan. Codes, Western Union and private.

F. E. Kohler & Co., 1006 East Tuscarawas street, Canton, Ohio. Post-hole diggers, lawn and garden rakes, hand corn planters, lawn sprinklers, garden trowels and hoes, hose menders, flexible pot scrapers, saw sets, screen-door pulls, malleable D tops, snow shovels,

furnace scoops, sidewalk scrapers, anti-rattlers, blanket pins and holders, spray pumps and currycombs. Cable address, "Kohlerco," Canton. Code, private.

H. H. Kohlsaat & Co., 1701 Wabash avenue, Chicago, Ill. Bakery products.

The Kokomo Paper Company, Kokomo, Ind. Wood pulp boards, folding box boards, cracker and candy box and barrel layers.

Kokomo Rubber Company, Kokomo, Ind. Pneumatic bicycle tires, solid and cushion vehicle tires. Cable address, "Korubco," Kokomo.

Kokomo Steel and Wire Company, Kokomo, Ind. Wire, nails, farm fence, barb wire, wire rods.

A. Kory & Sons, 210 Decatur street, New Orleans, La. Pantaloons, overalls and coats. Cable address, "Kory," New Orleans. Code, Wholesale Clothiers'.

L. O. Koven & Brother, 50 Cliff street, New York. Works in Jersey City, N. J. Galvanized kitchen range boilers; plate steel and sheet iron work of every description for ships, mills, mines, factories, plantations, chemical works, abattoirs, fertilizer plants, water works, government work, sewage systems, etc. Designers of special apparatus for manufacturing industries. Cable address, "Kovenlo."

Louis Kraemer & Co., Reading, Pa. Cassimeres and men's clothing; trousers a specialty. Cable address, "Kraemer," Reading. Codes, Abecedary, Cosmopolitan and Lieber's.

Krell-French Piano Company, New Castle, Ind. Grand and upright pianos; piano cases, backs and actions. Cable address, "Krelfrench," Newcastle. Code, Western Union.

Krementz & Co., Newark, N. J. New York office, 170 Broadway. 14-karat jewelry; the Krementz one-piece collar buttons in gold, gold rolled plate and silver. Cable address, "Krementz," Newark.

The Krippendorf-Dittmann Company, Sycamore and New streets, Cincinnati, Ohio. New York office, 129 West Twenty-third street; J. R. Stevens, manager. Ladies' and misses' fine shoes. Foreign agents: Colebrook & Knight, Ltd., London. Cable address, "Kripendorf," Cincinnati. Code, F. Widebrook's.

Kroeschell Brothers Company, 55 Erie street, Chicago, Ill. Boilers: tubular, upright, firebox; special greenhouse boilers of own design; all kinds of special boilers to order, and pipe work of all kinds.

Krohn, Fechheimer & Co., 818 Sycamore street, Cincinnati, Ohio. Women's, misses' and children's fine shoes. Foreign agents: Warren & Strang, Sydney; Max Dreyfus-Haase, Burgstrasse 1 C, Berlin. Cable address, "Krohnfech," Cincinnati. Code, Western Union.

Leonard Krower, 536-538 Canal street, New Orleans, La. Manufacturer of highest class of 14-carat diamond mountings and fine jewelry, and manufacturing optician.

Gottfried Krueger Brewing Company, 75 Belmont avenue, Newark, N. J. Lager beer. Cable address, "Cerevisia," Newark. Code, Lieber's.

Kuner Pickle Company, Denver, Col. Canned vegetables, pickles, table sauces, vinegar. Jobbers of olives.

Laclede Fire Brick Manufacturing Company, Manchester and Sulphur avenues, St. Louis, Mo. Manufacturers of fire bricks and tiles, gas retorts, sewer pipe, vitrified tile, paving brick, hollow tile fireproofing, flue linings, fire clay. Builders of coal gas benches with horizontal or inclined retorts complete with iron work. Linings for water gas apparatus. Cable address, "Greenlac," St. Louis. Code, Lieber's.

Lacy Manufacturing Company, 334 North Main street, Los Angeles, Cal. Riveted steel pipe and fittings, tanks, etc. Cable address, "Lacy," Los Angeles. Code, Western Union.

La Fayette Box Board and Paper Company, La Fayette, Ind. Steam dried strawboard.

The Laflin & Rand Powder Company, 99 Cedar street, New York. Smokeless powder for the United States army and navy, and for shotguns, rifles and revolvers; "W.-A. .30 caliber" Smokeless for United States government rifles caliber .30; "Lightning" Smokeless for all other high power rifles; "Sharpshooter" Smokeless for caliber .45, Springfield, all other black powder rifles, and for miniature charges in high power rifles; "Bullseye" Smokeless for revolvers and automatic pistols. In addition this company has recently brought out for use in the United States government rifle .30 caliber two new powders: one, entitled "Unique" Smokeless for gallery work, ranges 15 to 200 yards; another, called "Marksman" Smokeless for lead bullets in the above rifle, ranges 200 to 500 yards. In shotgun powders this company makes "Infallible" Smokeless, New E. C. and New Schultze, and are agents for the celebrated Du Pont Smokeless; also handle black powder for sporting and mining purposes, blasting apparatus and supplies, dynamite fuse and caps. Cable address, "Randlaf," New York. Code, A B C.

La Follette Coal, Iron and Railway Company, La Follette, Campbell county, Tenn. Coal of all grades; foundry and furnace coke; building brick; poplar and hardwood lumber, rough and finished; pig iron of foundry grades. Cable address, "Colironett," La Follette. Code, Lieber's.

Laird, Norton Co., Winona, Minn. Pine lumber; sash, doors, blinds, etc. Cable address, "Lairdorton," Winona.

Lalance & Grosjean Manufacturing Company, 19 and 21 Cliff street, New York. Works at Woodhaven, N. Y., and rolling mills, tin plate works and foundry at Harrisburg, Pa. Sheet steel stamped and enameled sheet metal vessels; kitchen sinks; plain, retinned, japanned and planished wares; Agate nickel-steel ware; blue and white, all-white, Pearl Agate and Regal enameled ware kitchen utensils. Cable address, "Agatecliff," New York.

Lamb & Ritchie, Cambridgeport, Mass. Sheet metal goods, such as galvanized iron, copper and tin conductor pipe and elbows, speaking tubes, etc., galvanized iron eaves troughs, etc. Cable address, "Laritch," Boston.

Lamb Wire Fence Company, Adrian, Mich. Woven wire field fencing, ornamental lawn fencing, gates, ornamental arches for cemeteries and driveways; wire straighteners. Cable address, "Lamb," Adrian. Code, Western Union.

Lambert Hoisting Engine Company, Newark, N. J. Hoisting engines, pile driving engines, dredging engines, erecting engines, mining engines, electric hoists, logging engines; traveling and stationary derricks, derrick fittings, suspension cableways; general contractors' engines, hoisting and conveying engines. Cable address, "Lambert," Newark. Code, Western Union.

Lambertville Spoke Manufacturing Company, 202 North Union street, Lambertville, N. J. Vehicle wheels of all kinds; also spokes, hubs and rims, neckyokes and whiffletrees. Foreign agents: Jos. Gardner & Sons, Bootle, Liverpool. Cable address, "Reual," Lambertville, N. J. Code, A B C Fourth edition.

Lamson & Goodnow Manufacturing Company, Shelburne Falls, Mass. New York office, 45 Murray street. Fine table cutlery; carvers', butchers',

painters' and druggists' knives, etc. Cable address, "Shelburne," Shelburne Falls. Code, Western Union.

The Lamson & Sessions Company, Cleveland, Ohio. Carriage bolts, machine bolts, plow bolts, stove bolts, tire bolts, coach and lag screws, nuts, rivets, stove rods, etc.; wrenches—screw and bicycle.

Land, Log and Lumber Company, 456 Jefferson street, Milwaukee, Wis. Dealers in pine timber, logs and lumber.

Landers, Frary & Clark, New Britain, Conn. New York office, 87 Chambers street. Table cutlery, house furnishing hardware, plumbers' brass goods, food and meat choppers, Crown coffee mills. Foreign agents for the Universal food and meat choppers: Wm. E. Peck & Co., London; Markt & Co., Hamburg, Paris and Brussels. Cable address, "Landers," New Britain. Code, Lieber's.

Landis Tool Company, Waynesboro, Pa. Universal, plain and surface grinding machines. Foreign agents: Schuchardt & Schütte, Berlin, Cologne, Stockholm, Vienna, St. Petersburg and Milan; C. W. Burton, Griffiths & Co., Ludgate square, London. Cable address, "Landis," Waynesboro, Pa. Codes, Lieber's, Western Union and Atlantic Directory.

Lane Manufacturing Company, Montpelier, Vt. Wood working machinery; specialty, saw-mill machinery; the Lane patent lever-set circular saw-mills, saw-mill set-works, direct-acting steam feeds, dogging devices and other appliances; lath machines, shingle and heading machines, clapboard machinery; complete line of transmission machinery; the Anderson patent rope-driven traveling cranes, operated by steam and water power.

The Lane Mills, New Orleans, La. Cotton denims, plain and fancy cottonades, stripes, 28 inches wide.

J. H. Lane & Co., 110 Worth street, New York. Representatives for Eastern and Southern cotton mills. Cotton duck, sheetings and drills; bleached goods. Cable address, "Brownleigh," New York. All standard codes.

The Lane & Bodley Company, Cincinnati, Ohio. "Corliss" engines, simple or compound, condensing or non-condensing; slide-valve engines, simple or compound; "Corliss" air compressors, one, two or three stage; blowing, hoisting, rolling-mill and pump operating engines; shafting, hangers, pulleys, belt and hydraulic elevators, heavy or light gray iron castings. Cable address, "Lanebodley," Cincinnati. Code, Lieber's.

Henry Lang Company, Seventeenth avenue and Lillie street, Newark, N. J. Patent leather (for shoes, carriages and horse collars).

Langley Manufacturing Company, Langley, S. C. Selling agents: W. H. Langley & Co., 105 Worth street, New York. Drills, sheetings and shirtings.

Langslow-Fowler Company, Rochester, N. Y. Morris chairs, fancy rockers, Dutch chairs and odd pieces.

Lansing Wheelbarrow Company, Lansing, Mich. Wheelbarrows, warehouse trucks, hand carts, sleigh runners, rubber-tired wheels, coal chutes, coal cars, fence machines, lard presses, lawn rollers, horse pokes and steel scrapers. Export agents: W. C. Barker & Co., 21B Produce Exchange, New York. Foreign agents: J. C. Plimpton Co., Liverpool. Cable address, "Potelot," New York. Codes, A B C Fourth edition and Lieber's.

La Porte Carriage Company, La Porte, Ind. Carriages, victorias, surreys, phaetons, traps, stanhopes, buggies, runabouts, road wagons, business wagons, sewing machine wagons, spring wagons, carts and gigs, roller or ball-bearing vehicles, rubber tires and special vehicles to order. Cable address, "Carriage," La Porte. Code, A B C.

The James Lappan Manufacturing Company, Twentieth and Pike streets, Pittsburg, Pa. Boiler, plate and sheet iron work: blast furnaces, stand pipes, oil refiners, stacks, tanks, riveted steam and water pipe, and all kinds of steam boilers. Cable address, "James Lappan," Pittsburg. Code, Western Union.

Larkin Co., Buffalo, N. Y. Harness, laundry, scouring, medicated, toilet and shaving soaps; soap powders; glycerine, perfumes, toilet and tooth powders. Cable address, "Larkin," Buffalo. Codes, A B C Fourth edition and Lieber's.

Larkin & Scheffer Chemical Company, 109 St. George street, St. Louis, Mo. Anhydrous ammonia. Cable address, "Anhydrous," St. Louis. Code, A B C.

Larter, Elcox & Co., 21 Maiden Lane, New York. Works at Newark, N. J. Fine gold jewelry—rings, sleeve or cuff buttons, Larter patent studs and vest buttons; lockets. Agents, A. J. Hall & Son, San Francisco. Cable address, "Lartercox," New York. Code, Western Union.

Latrobe Steel Company, 1200 Girard building, Philadelphia, Pa. New York office, Bowling Green building, 11 Broadway. Works at Latrobe, Pa. Steel tires for locomotive and car wheels, steel rings, shells and rolls for rock and ore crushers; weldless steel pipe flanges for high pressure mains.

Geo. Laub's Sons, 1051-1069 Clinton street, Buffalo, N. Y. Union tanned harness leather; Union tanned Stag Line harness leather.

The Homer Laughlin China Company, East Liverpool, Ohio. Plain, white and decorated crockery for domestic use.

The Thomas Laughlin Company, 151 Fore street, Portland, Me. Marine hardware, tackle blocks, anchors, shackles, thimbles, wire rope fittings, etc. Cable address, "Tomlaf," Portland, Me. Codes, Western Union and Commercial.

The Annie Laurie Mining Company, Kimberly, Utah. Mining and reducing gold bearing ore. Shippers of gold bullion only.

Lautz Brothers & Co., Main, Hanover and Lake streets, Buffalo, N. Y. Branch office, 13 South Front street, Philadelphia, Pa. Fine laundry soaps; glycerine.

Lawrence Cement Company, 1 Broadway, New York. Works at Siegfrieds, Pa. Portland cement and Improved shield cement. Special attention given to export orders. Cable address, "Cacholas," New York.

Lawrence Manufacturing Company, 58 Ames building, Boston, Mass. Cotton hosiery and underwear, and cotton hosiery yarns. Selling agents: E. M. Townsend & Co., 345 Broadway, New York.

The F. H. Lawson Company, Whately street and C. H. & D. Ry., Cincinnati, Ohio. Plain tinware, galvanized sheet ironware, plain and retinned stamped ware, vapor stove ovens, water coolers, fancy coal vases, japanned tinware, and special metal work of all kinds. Jobbers of tin plate, copper, brass, sheet iron and tinners' supplies.

The T. B. Laycock Manufacturing Company, Tenth street and Canal. Indianapolis, Ind. Iron and brass bedsteads and cribs, spiral spring beds, woven wire mattresses, folding wire cots, floor rocking cradles, folding cribs, children's upright folding beds, furniture springs and woven wire mattress fabrics. Cable address, "Laycock," Indianapolis. Code, Manufacturers' Export.

Lazell, Dalley & Co., 12 Duane street, New York. Perfumery and toilet articles, extracts, toilet waters, colognes; sachet, toilet and tooth powders, smelling salts, hair tonic. Foreign agents: The Wingate Chemical Co., Montreal. Cable address, "Lazell," New York. Code, Lieber's.

Roderick Lean Manufacturing Company, Mansfield, Ohio. Agricultural implements; spike and spring tooth harrows, steel and wood frame; disk harrows, land rollers, hand carts, drills, cultivators, weeders and garden plows. Cable address, "Lean," Mansfield, Ohio. Codes, Western Union, A B C Fourth edition, Lieber's, Harvey's, Abecedary and private.

The Lee Chair Company, Warner street, Oneida, N. Y. Chairs.

J. Ellwood Lee Company, Conshohocken, Pa. Surgical dressings, trusses, hospital supplies. London office, 4 Ludgate square; office in Montreal. Cable address, "Lee," Conshohocken. Code, A B C Fourth edition.

Thomas L. Leedom Company, Bristol, Pa. New York salesroom, 898 Broadway. Seamless Royal Wilton rugs in carpet sizes, ingrain carpets, Smyrna rugs and art squares. Cable address, "Leedom," Bristol, Pa. Code, A B C.

James Lees & Sons Company, Bridgeport, Pa. Worsted and woolen yarns.

James Leffel & Co., Springfield, Ohio. New York office, 120 Liberty street. Turbines, impulse water wheels, turbine transmitting machinery, steam boilers and engines, automatic steam engines, pulleys, shafting, gearing, etc. Jobbers of steam pumps, turbine governors, saw-mills, etc. Cable address, "Leffel," New York. Codes, A B C, Atlantic Directory, Lieber's, Western Union and private.

Francis H. Leggett & Co., West Broadway, Franklin and Varick streets, New York. Factory, 132-138 King street, New York. Manufacturers and packers of American jams, jellies and preserves; sauces and table condiments; honey, maple syrup, mince meat, prepared flours, oatmeal, farina, hominy, sago, tapioca, cornstarch, cornflour, starch, olives, capers, olive oil, package teas and coffees, evaporated and dried fruits, flavoring extracts and essences; family medicines; canned vegetables, fruits and fish; fruit syrups, spices, molasses, syrup and vinegar. Proprietors of Premier and Nabob brands of canned goods and other kinds of food products. Jobbers of catsup, pickles; canned meats, vegetables and fruits; macaroni and entire line of imported and domestic food products. Foreign agent: Henry Bayle, rue Victoire Américaine 18, Bordeaux. Cable address, "Leggett," New York. Codes, A B C, Lieber's, M. & M. and Scattergood's.

Lehigh Portland Cement Company, Allentown, Pa. Works at West Coplay and Ormrod, Pa.; Mitchell, Ind.; Wellston, Ohio. Lehigh brand of Portland cement. Cable address, "Lehigh," Allentown. Code, Western Union.

Lehmaier, Schwartz & Co., 215 East Twenty-second street, New York. Tin foil, bottle caps and collapsible tubes. Cable address, "Fenamerica," New York. Code, Lieber's.

Leidecker Tool Company, Marietta, Ohio. Portable drilling machines, portable drilling rigs, hydraulic rotary drilling machines, drilling and fishing tools and everything pertaining to the drilling of oil, gas and artesian wells. Foreign branch in London, 96 Leadenhall street. Cable address, "Leidecker," Marietta. Codes, Lieber's and private.

Leighton Machine Company, Canal and Cedar streets, Manchester, N. H. Knitting machines for ribbed underwear, sweaters, jackets, etc.; yarn winders, loopers, latch needles for knitting machines. Cable address, "Leighton," Manchester, N. H. Code, Western Union.

Leland & Faulconer Manufacturing Company, 500 Trombley avenue, Detroit, Mich. Gasoline motors for automobiles and marine purposes, transmission gears; universal trimming machines; piston castings, cyl-

inder castings, and fine gray iron castings. Cable address, "Faulconer," Detroit. Codes, A B C Fourth edition, Atlantic Directory, Lieber's and Western Union.

Charles Lennig & Co., Inc., 112 South Front street, Philadelphia, Pa. Oil vitriol; muriatic, nitric and acetic acids; alum, sulphate alumina, sulphate soda, Glauber salts, nitrate of lead, sugar of lead, tin crystals, tin spirits. Foreign agents: W. H. Cole & Co., London. Cable address, "Clennig," Philadelphia. Code, A B C.

A. Leschen & Sons Rope Company, 920 North First street, St. Louis, Mo. New York office, 92 Centre street. Other branches in Chicago, San Francisco and Denver. Aerial wire rope tramways and cableways; rope, tramways, wire rope and cableways. Cable address, "Leschen," St. Louis. Codes, A B C, A 1, Lieber's and Western Union.

Levor & New, Gloversville, New York. New York office, 178 William street. Mat kid and calf for tops of shoes; also swedes and Mocha kid in all colors and buckskin. Jobbers of shoe linings of leather in all varieties. Cable address, "Overjoy," New York. Code, Lieber's.

W. C. Lewis Shoe Company, Haverhill, Mass. Boston sample office, 154 Lincoln street. Men's, women's, misses' and children's felt shoes and slippers; felt goods in all colors with fur trimmings, felt goods with leather and felt soles.

The J. Geo. Leyner Engineering Works Company, Denver, Col. Air compressors, air rock drills, hoisting engines and general mining machinery. Foreign agents: S. Sykes & Co., Johannesburg; Takata & Co., 10 Wall street, New York, for Japan. Cable address, "Leyner," Denver. Codes, A B C Fourth and Fifth editions, Bedford McNeill's M. & G., Moring & Neal's, Anglo-American, Lieber's, Western Union and A 1.

Libbey Glass Company, Toledo, Ohio. Rich cut glassware; railroad signal lantern globes, railroad signal semaphore lenses.

Libby, McNeill & Libby, Inc., Union Stock Yards, Chicago, Ill. New York office, 97 Hudson street. Packers and preservers of meats; barreled beef and tallow; canned meats a specialty; cooked corned beef, compressed beef tongue, whole ox tongue, lunch tongue, lambs' tongues, minced collops, English brawn, roast beef, potted beef, ham, tongue, etc.; also pickles, olives, catsup, camp sauce, salad dressing. Foreign agents: Henry A. Lane & Co., London; Louis Gélis-Didot, Paris; Anth. Johansen & Co., Christiania; H. Kuhn & Co., Genoa; R. Justus, Hamburg; Türk & Pabst, Frankfort o/M.; Swift Packing Company, Antwerp; Swift & Co., Rotterdam. Cable address, "Libby," Chicago. Codes, A B C Fourth and Fifth editions, Lieber's, A 1 and private.

Library Bureau, 530 Atlantic avenue, Boston, Mass. New York office, 316 Broadway. Branches in 26 leading cities in the United States, Canada and Great Britain. Works at Boston, New York, Chicago, Cold Spring-on-the-Hudson, N. Y., Ottawa, Canada, and London, Eng. Business systematizers; business systems, time and labor-saving card records for every department of a business house, vertical system of filing for correspondence and other papers, labor-saving devices, office and bank furniture and fittings in wood and steel. Library equipment, furniture and technical supplies, wood and steel stack. Foreign agents: Library Bureau, Ltd., London, Manchester, Birmingham and Newcastle-on-Tyne; Library Bureau of Canada, Ltd., Ottawa, Montreal, Toronto and Winnipeg. Cable address, "Library," Boston. Codes, Western Union, Lieber's and Atlantic Directory.

Lidgerwood Manufacturing Company, 96 Liberty street, New York. Works in Brooklyn, N. Y. Hoisting and conveying machinery, logging

machinery, electric hoists, mining engines, hoisting engines, boilers, hoisting and conveying machinery, cableways, log hauling machinery, sugar cane conveying machinery and ballast unloaders. Foreign agents: Fraser & Chalmers, Ltd., London; Bulawayo, Salisbury and Johannesburg, Africa, and Kalgoorlie, W. Australia; W. V. V. Lidgerwood, 93 Gloucester road, Kensington, London. Cable address, "Lidgerwood," New York. Codes, A B C and Lieber's.

The H. Lieber Company, Indianapolis, Ind. Picture frames and picture frame mouldings. Foreign agents: Trapp-Couche & Co., Melbourne. Cable address, "Moulding," Indianapolis. Codes, Atlantic Directory and Premier.

Liggett Spring and Axle Company, Pittsburg, Pa. Springs and axles for carriages and wagons.

Henry Likly & Co., Rochester, N. Y. Trunks and traveling bags. Cable address, "Likly," Rochester. Code, Western Union.

The M. C. Lilley & Co., Inc., Columbus, Ohio. New York office, 13 West Thirtieth street; Harry L. Collom, manager. Military and secret society goods; suit cases for the trade.

Lilly Carriage Company, Memphis, Tenn. Manufacturers of high grade carriages direct to the consumer.

Eli Lilly & Co., Indianapolis, Ind. New York office, 133 William street. Branches, Chicago, St. Louis, Kansas City and New Orleans. Fluid extracts, pills, tablets, elixirs, syrups, medicated wines, miscellaneous pharmaceutical preparations and specialties. Foreign agent: J. M. Richards, 46 Holborn Viaduct, London.

The Lima Locomotive and Machine Company, Lima, Ohio. Geared locomotives and light direct locomotives for service on light railways, mining and plantation railroads; also for industrial plants, furnaces, etc. Contractors' locomotives a specialty.

The Lincoln Waterproof Cloth Company, Bound Brook, N. J. Works at Lincoln, N. J. New York office, 120 Liberty street. "Lincoln Flint Coated" and "Universal Satisfaction" roofing, a ready-to-buy material, very durable, waterproof and cheaper than tin or shingles or sheet iron, and lasting longer; also insulating paper. Cable address, "Linwaco," Boundbrook, N. J. Code, Western Union.

A. J. Lindemann & Hoverson Company, 352 Florida street, Milwaukee, Wis. Stoves and steel ranges; oil, gas and gasoline stoves; air tight and hot blast heating stoves; ovens for oil and gasoline stoves; sheet iron pans and ware; also patent circulating valves for hot water heating systems. Cable address, "Lindem," Milwaukee. Code, Western Union.

The Lindner Shoe Company, Carlisle, Pa. New York office, 54 West Twenty-third street. Other branch offices in Philadelphia and Washington. Women's fine shoes. Cable address, "Lindner," Carlisle, Pa. Code, Atlantic Directory.

The Linen Thread Company, 96 Franklin street, New York. All sizes of linen thread.

The Link-Belt Engineering Company, Nicetown, Philadelphia, Pa. Branch offices: 49 Dey street, New York, and 1501 Park building, Pittsburg, Pa. Elevators, conveyors and power transmissions; complete installations of machinery for handling materials either in bulk or package. Cable address, "Chainbelt," Philadelphia. Code, Western Union.

The Link-Belt Machinery Company, Thirty-ninth street and Stewart avenue, Chicago, Ill. New York office: The Link-Belt Engineering Company, 49 Dey street. Agencies in Philadelphia, Chicago, Denver, New Orleans, Minneapolis and San Francisco. Engineers, designers and builders of elevators and conveyors for handling all kinds of material

in bulk or package, such as coal, grain, ore, barrels, boxes, bags, sugar cane and its products; manufacturers of power transmission machinery of all kinds, shafting, hangers, pulleys, gears, friction clutches, rope drives; chains, including original "Ewart" detachable link-belting, "Dodge" wrought-iron, "Monobar," "Ley" steel-bushed, "Howe" bull, rolling, steel, and wrought-iron strap; special chains for any purpose; sprocket wheels, etc.; placer mining dredges and improved dredge equipment. Foreign agents: Honolulu Iron Works Co., Honolulu; Chas. Kolling, Sydney; Van der Linde & Teves, Samarang, Java. Cable address, "Linkbelt," Chicago. Codes, A 1, A B C, Atlantic Directory, Lieber's, Bedford McNeill's and Western Union.

The Lippincott Glass Company, Alexandria, Ind. Lamp chimneys, electrical glassware and tubing.

The Liquid Carbonic Company, 67 Wells street, Chicago, Ill. Works in eleven other states. Carbonic acid gas, extracts, crushed and preserved fruits and other soda dispensers' supplies; soda fountains, carbonators, bottlers' machinery and supplies, brass goods, cabinet work, bi-carbonate of soda and Epsom salts; carbonic gas regulators; whitewashing and spraying machines. Cable address, "Liquid," Chicago. Code, A B C.

A. E. Little & Co., Lynn, Mass. Sorosis shoes for men and women.

The S. W. Little Coal Company, Evansville, Ind. Mines at Little, Blackburn and Rogers, Ind. Bituminous coal.

Llewellyn Iron Works, Los Angeles, Cal. General foundry, machinery and structural iron work.

The Lobdell Car Wheel Company, Wilmington, Del. Chilled steam, motor and mine car wheels; steel tired wheels with annealed cast-iron centers; chilled calender rolls, and chilled castings of all kinds; general machine and foundry business. Cable address, "Lobdell," Wilmington, Del. Codes, A B C, Commercial, Lieber's and Western Union.

Lockhart Iron and Steel Company, Pittsburg, Pa. Bar iron and steel, hexagon iron and steel. Cable address, "Lockhart," Pittsburg. Code, Western Union.

Lockhart Mills, Lockhart, S. C. Brown sheetings.

Lock Haven Silk Company, Lock Haven, Pa. Selling agents: Fleitmann & Co., 490 Broome street, New York. Broad silks, dress silks and linings; 400 looms.

Lock, Moore & Co., Ltd., Westlake, La. Calcasieu long leaf yellow pine lumber. Cable address, "Lock," Westlake, La. Code, Lumberman's.

The Lodge & Shipley Machine Tool Company, 3055 Colerain avenue, Cincinnati, Ohio. Engine and turret lathes. Foreign agents: Fenwick Frères & Cie, Paris; V. Löwener, Copenhagen; Adler & Eisenschitz, Milan; William Edwards, Melbourne; R. Stokvis & Zonen, Rotterdam; C. W. Burton, Griffiths & Co., London. Cable address, "Drill," Cincinnati. Codes, Lieber's and private.

William Loeb & Co., 101 Sabin street, Providence, R. I. New York office, 37-39 Maiden Lane. Seamless gold shell rings and sterling silver rings. Cable address, "Rings," Providence. Code, Western Union.

D. E. Loewe & Co., Danbury, Conn. New York office, 18 West Fourth street. Soft fur hats in medium grades. Cable address, "Furhat," Danbury. Code, A B C.

Logan Iron Works, Commercial and Clay streets, Brooklyn, N. Y. Boilers, gas holders, tanks, smokestacks and oil refinery apparatus. Cable address, "Logan," Brooklyn. Codes, A B C and Lieber's.

A. J. Logan & Co., 119 Third avenue, Pittsburg, Pa. Mattresses of all kinds, box and upholstered spring beds, feather pillows, down cushions,

woven wire and spiral spring beds, woven wire cots, cradles, cribs, institution beds and bedding. Jobbers of brass and iron bedsteads.

F. H. Logeman Chair Manufacturing Company, 2000 North Main street, St. Louis, Mo. Chairs, rockers and lawn goods.

Lombard Iron Works and Supply Company. Foundry, machine and boiler works and supply store, Augusta, Ga. Return tubular boilers, tanks, stacks, structural iron work and castings, shafting, pulleys and hangers; cotton, saw mill, oil mill and ice machinery. Jobbers of injectors, pumps, engines, pipe, valves, fittings, belting, rope packing, mill and machinery supplies. Cable address, "Lombard," Augusta, Ga. Code, Western Union.

John E. Lonergan & Co., 211 Race street, Philadelphia, Pa. Patent self-oil cups and steam cylinder lubricators; spring loaded (Pop) safety valves for every form of steam boiler; steam traps, steam whistles; steam, vacuum and hydraulic gauges; injectors, ejectors; low water alarm, water relief and snifter valves; steam damper regulators (Kellam's patent), pressure reducing valves and other safety steam appliances. Cable address, "Lonergan," Philadelphia. Codes, A B C and Western Union.

The "Long-Arm" System Company, Lake and Wason streets, Cleveland, Ohio. Standard interchangeable ship fittings: Safety electric water-tight power doors operated by the "Long-Arm" system; water-tight swing doors, sliding doors and ship manholes; air ports, dead lights, deck lights, coal scuttles, hand pumps, etc. Also high-grade electric motors for intermittent service up to 30 H. P.; small three-cylinder air compressors, light, compact, electrically driven; low-pressure type to 100 lbs., high pressure type to 1,200 lbs. Jobbers of seamless steel flasks tested to 2,000 lbs. Foreign agents: Hotchkiss et Cie, Paris. Cable address, "Longarm," Cleveland. Codes, Western Union and Lieber's.

The Long Brothers Company, Third and Ontario streets, Philadelphia, Pa. New York office, 50 Leonard street. Worsted, wool and cotton dress goods and mercerized fabrics.

Long-Knight Lumber Company, 1025 Lewis street, Indianapolis, Ind. Hardwood lumber, quartered and plain oak, ash, cypress, satin and black walnut. Cable address, "Longknight," Indianapolis. Code, Western Union.

The Long & Allstatter Company, Hamilton, Ohio. Power punching and shearing machines; cultivators, disk breaking plows, disk harrows and horse hay rakes. Cable address, "Landaco," Hamilton, Ohio. Codes, Lieber's and Western Union.

Longmead Iron Company, 434 Drexel building, Philadelphia, Pa. Works at Conshohocken, Pa. Wrought iron pipe. Cable address, "Longmead," Philadelphia. Code, Western Union.

Lookout Boiler and Manufacturing Company, Chattanooga, Tenn. Boilers, towers, tanks, lime kilns, cupolas and all kinds of plate and sheet iron work.

Lookout Mountain Iron Company, Battelle, Ala. Pig iron, coal, coke, iron ore.

John S. Loomis Company, Baltic, Butler and Nevins streets, Brooklyn, N. Y. Wood mouldings of all descriptions, both plain and machine decorated; skirting, sawed balustrades, verge boards for the export trade.

The Loomis & Hart Manufacturing Company, Chattanooga, Tenn. Lumber: oak, poplar, chestnut and pine; furniture and house building material; wood bedsteads, dressers, washstands and wardrobes. Cable address, "Loomishart," Chattanooga. Code, Western Union.

Loomis-Manning Filter Company, 828 Land Title building, Broad and Chestnut streets, Philadelphia, Pa. Branch offices: Fuller building, New York; Exchange building, Boston; Union Trust building, Baltimore; Colorado building, Washington, D. C. Water filters and purifiers, boiler cleaning water filters. Cable address, "Loomisman," Philadelphia. Code, Western Union.

The Lord & Bushnell Company, Twenty-second street and Center avenue, Chicago, Ill. Lumber: fir, spruce, hemlock, pitch pine, white pine, Norway pine and yellow pine; and planing mill work.

Lorraine Manufacturing Company, Pawtucket, R. I. New York office, 72 Leonard street. Worsted and cotton dress goods, fine shirtings, linings, etc.

Louisiana Irrigation and Mill Company, Crowley, La. Rice milling and irrigating.

Louisville Cotton Mills Company, 1008 Goss avenue, Louisville, Ky. Carded and combed cotton yarns; colored cotton warps on beams.

Louisville Silvering and Beveling Company, Webster and Washington streets, Louisville, Ky. Mirror plate manufacturers and bevelers of plate glass. Originators and manufacturers of American Beauty mirror plates.

Love Brothers, Incorporated, Clark and Water streets, Aurora, Ill. Structural iron and steel, ornamental iron, architectural iron, grey iron castings, special machinery, iron stove fronts, sewer castings and railroad castings.

Lovell & Buffington Tobacco Company, 229 Scott street, Covington, Ky. Fine cut, plug, twist and smoking tobaccos.

Lovell Manufacturing Company, Erie, Pa. New York store, 54 Warren street. Clothes wringers, mangles, rubber wringer rolls, rat and mouse traps. Foreign branch in London. Cable address, "Lovell," Erie. Codes, A B C and Western Union.

Max Lowenthal & Brother (The Rochester Knitting Works), 422-446 Clinton avenue South, Rochester, N. Y. Infants' vests and bands, children's underwear, mittens, golf gloves, toques, leggings, equestrian tights.

The Walter M. Lowney Company, 447 Commercial street, Boston, Mass. Cocoa, chocolate and chocolate bonbons. Cable address, "Lowney," Boston. Codes, Adams, Fruiterers' and Western Union.

John Loyd Company, 558 Water street, New York. Machine knives, presses, dies and special machines, cutting presses, balling machines, leather-splitting and paper-trimming knives; cutting dies for paper, rubber, leather cloth and celluloid; dies and punches for cutting metal. Cable address, "Loydworks," New York. Code, A B C.

A. Lucas & Sons, corner Cedar and Washington streets, Peoria, Ill. Structural and ornamental iron and steel work, shaker screens, self-dump cages, steel tipples, bridges, jailwork, office railings, wire work, iron grilles, etc. Jobbers of Reeves wood split pulleys, belts, hangers, shaftings, Duplex hangers, Stewart iron fence and structural materials.

John Lucas & Co., 322 Race street, Philadelphia, Pa., 89 Maiden Lane, New York, and 53-55 North Desplaines street, Chicago. Factories and varnish works, Gibbsboro, N. J. Paints, including white lead, white zinc; colors dry, in oil, in water, in japan; mixed paints for house purposes, roofs, barns, floors and structural work; for steamships, railroads, bridges; cold water paints for interior and exterior; carriage gloss and enamel paints for carriages, household, bath tubs, cold storage plants; insulating paints; fire proof; graphite; silica; iron oxides; gold and aluminum paints and enamels; varnish stains; oil stains; shingle stains;

wood fillers; furniture polishes; varnishes; dryers. Agents for plate and window glass factories. Jobbers of brushes. Foreign agencies in India, Australia, South America, Mexico, the West Indies and Canada. Cable address, "Lucas," Philadelphia. Codes, A B C, Lieber's and Western Union.

Luddy & Currier, Lynn, Mass. Women's, misses' and children's shoes.

Ludlow Manufacturing Associates, 133 Essex street, Boston, Mass. Bagging for covering cotton; jute and hemp twine and marline; jute and hemp carpet yarn and upholsterers' webbing. Cable address, "Ludlow," Boston. Codes, A B C and Atlantic Directory.

The Lufkin Rule Company, Saginaw, Mich. New York office, 280 Broadway. Measuring tapes, steel, linen and cotton; steel and hickory rules, lumber and machinists' rules. Foreign branch, 48 Lime street, London. Cable address, "Lufkin," Saginaw and New York.

The Lukens Iron and Steel Company, 620 South Peters street, New Orleans, La. Plates, beams, angles, channels, rivets, boiler tubes, iron and steel bars, tool steel, etc. Cable address, "Lukens," New Orleans. Codes, A B C Fourth edition and A1.

The Lunkenheimer Company, Cincinnati, Ohio. New York office, 26 Cortlandt street. Other branches in Philadelphia and New Orleans. Superior brass and iron steam specialties and engineering appliances; regrinding globe, angle, cross, check and swing check valves; double disk, "Clip" and "Victor" gate valves; double disk, "Handy" and lever throttle quick opening valves; plain and single bell chime and three whistle chime whistles; "Pop" safety valves, injectors, steam traps, automatic safety water columns; cylinder, air, steam and gauge cocks; sight feed lubricators, oil and grease cups, oil pumps, oiling devices, multiple oilers, etc. Foreign agent: The Lunken Valve Company, London. Cable address, "Lunken," New York, Cincinnati or London. Codes, Manufacturers' Export, A B C Fourth edition and Lieber's.

David Lupton's Sons Company, Allegheny avenue and Tulip street, Philadelphia, Pa. New York office, 220 Broadway; Baltimore office, 216 North Calvert street. Automatic germ and fire proof metal windows, architectural sheet metal work, metal skylights, conductor pipe and eaves troughs, corrugated iron buildings. Cable address, "Lupton," Philadelphia. Code, A B C.

Lymansville Company, Providence, R. I. Salesrooms, 87 Worth street, New York. Worsted yarns, Nos. 6 to 44; worsted serges, cheviots, suitings, 56 inches wide, for men and women.

The G. R. Lynch Manufacturing Company, 120 West Eighth street, Chattanooga, Tenn. Export office: 132 Pearl street, New York. Acetylene generators for public and private lighting; the "Aurora" carbide feed acetylene apparatus; acetylene burners, heaters, fixtures, globes, etc.; architectural iron and sheet metal work. Cable addresses: "Aurora," Chattanooga; "Janoswar," New York. Code, Western Union.

Lyon & Healy, 199 Wabash avenue, Chicago, Ill. Guitars, mandolins, banjos, drums, tambourines, brass band instruments, harps and church organs. Jobbers of all kinds of musical instruments, sheet music and books. Cable address, "Lyonhealy," Chicago.

McCaffrey File Company, Fifth and Berk streets, Philadelphia, Pa. Files and rasps of all kinds. Foreign agent: Carl Blombach, Ronsdorf, Germany. Cable address, "Mccaffrey," Philadelphia. Codes, A B C and Lieber's.

The W. J. McCahan Sugar Refining Company, 147 South Front street, Philadelphia, Pa. Sugar, molasses, refined syrups, sugar-house syrup or treacle. Cable address, "Mccahan," Philadelphia. Code, A B C.

McClave Brooks Company, Scranton, Pa. McClave's automatic stokers, shaking and cut-off grates, and Argand steam blowers; iron and brass castings.

McConnell Manufacturing Company, Hornellsville, N. Y. New York office, 160 Fifth avenue. Doors, sash, glazed windows, blinds, mouldings, veneered and fine cabinet work.

The McConway & Torley Company, Forty-eighth street and Allegheny Valley Railway, Pittsburgh, Pa. The "Janney" and "Kelso" car couplers for freight cars, passenger cars and locomotives; vestibules for passenger cars. Foreign agents: American Trading Co., New York, Yokohama and Kobe. Cable address, "Torley," Pittsburgh, Codes, A 1, A B C and Lieber's.

McCord, Harlow Shoe Company, St. Joseph, Mo. Men's welt shoes; a specialty of cushioned sole shoes for tender feet.

McCray Refrigerator Company, Kendallville, Ind. Refrigerators for all purposes: family, grocers, meat markets, hotels, clubs; any kind of refrigerator work made to order. Cable address, "McCray," Kendallville. Code, Western Union.

W. H. McElwain Company, 348 Congress street, Boston, Mass. Factories at Bridgewater, Mass., and Manchester and Newport, N. H. Men's and boys' Goodyear welt shoes; men's, boys' and youths' McKay sewed shoes.

McFerson & Foster, Evansville, Ind. Box shooks.

The McGraw Publishing Company, 114 Liberty street, New York. Publishers of the *Street Railway Journal,* devoted to the interests of the electric railway industry; American edition, weekly, $4 per year; international edition, published weekly, with digest of contents in French and German, $6 per year to all foreign countries; cable address, "Stryjourn," New York. *American Street Railway Investments,* known also as *Street Railway Red Book,* contains financial and operating statistics for all street and interurban electric railways in the United States and Canada; published annually in May, with *Electric Railway Directory* as quarterly supplements, February, August and November; subscription price *Red Book* and *Directories,* $5.00 per year. *Electrical World and Engineer,* a weekly journal devoted to the electrical and allied industries; large export number the first issue of each month; subscription rates, domestic, $3 per year; foreign, $6 per year; cable address, "Electrical," New York. *The Engineering Record,* a weekly sanitary and engineering journal; subscription rates, domestic, $3 per year; foreign, $6 per year. *American Electrician,* a monthly journal of practical electrical and steam engineering; subscription rates, domestic, $1 per year; foreign, $2 per year. Railway, electrical, engineering and other technical books. European office (in charge of A. C. Shaw), Hastings House, Norfolk street, Strand, London, W. C. Cable address, "Stryjourn," New York or London. Code, Lieber's.

McGuire-Cummings Manufacturing Company, 122 North Sangamon street, Chicago, Ill. Electric railway trucks and locomotives; electric street railway sprinklers; electric street railway snow sweepers; car heating stoves; street car fenders; grain doors for freight cars; architectural iron work. Foreign agents: E. H. Cadiot & Cie, Paris. Cable address, "McGuire-Cummings," Chicago. Code, Western Union.

McIntosh, Seymour & Co., Auburn, N. Y. New York office, 26 Cortlandt street. Steam engines: horizontal and vertical; single cylinder, tandem compound, cross compound, three and four cylinder triple expansion; for driving electrical apparatus, or coupling to shafts, or driving machinery by belts or ropes. Cable address, "Toshmour," Auburn. Code, A 1.

McKay & Co., 4 California street, San Francisco, Cal. Mills at Eureka, Cal. Redwood lumber and shingles.

James McKay & Co., 508 Germania Bank building, Pittsburg, Pa. Works at McKee's Rocks, Pa. Chains and forgings: qualities and kinds as follows: "Proof," "B. B.," "B. B. B." and "Crown" crane or dredge; boom, rafting, loading, marine, railroad brake, safety, switch, log or caboose, conveyor, sprocket or block; slings for foundries, cane sling, stone hoists, chain and ring dogs, coal car couplings, hooks, shackles, cold shuts, etc. Cable address, "McKay," Pittsburg. Codes, Atlantic Directory and Western Union.

James McKinney & Son, 925 Broadway, Albany, N. Y. All kinds of structural and ornamental iron work for buildings, including steel beams, girders, columns, roof trusses, stairs, elevator enclosures, wrought iron grille work, railings, fences, etc. Jobbers of expanded metal.

McKinnon Dash Company, 252 Amherst street, Buffalo, N. Y. Works at Troy and Cincinnati, Ohio. Dashes and fenders for vehicles. Cable address, "Kindash," Buffalo. Codes, A B C and Western Union.

Hugh McLean Lumber Company, 940 Elk street, Buffalo, N. Y. Mills at Bedford and New Albany, Ind.; Louisville, Ky., and Chattanooga, Tenn. Hardwood lumber and veneers. Foreign agents: Duncan, Ewing & Co., Liverpool. Cable address, "Thurso," Buffalo. Code, A B C.

The McLennan Paint Company, Rano street, Buffalo N. Y. Paints and varnishes for agricultural implements; mixed paints, colors in oil, dry colors, varnishes, japans, etc. Cable address, "McLennan," Buffalo. Codes, Western Union and A B C.

McLoughlin Brothers, 890 Broadway, New York. Children's colored books, blocks, games, etc. Cable address, "Antatomico," New York.

McMyler Manufacturing Company, 119 Columbus street, Cleveland, Ohio. Branch office, 176 Federal street, Boston, Mass. Works at Cleveland and Warren, Ohio. Hoisting and conveying machinery especially designed for loading and unloading ships; steam derricks, car dumping machines, haulage engines, dock equipment machinery, automatic buckets, revolving cranes, etc. Foreign branch, 34-35 Cock Lane, Snow Hill, London.

McNeely Company, 400 Arch street, Philadelphia, Pa. Manufacturers of glacé or glazed kid for men's and ladies' shoes. Cable address, "Macneely," Philadelphia. Code, A B C Fifth edition.

James McNeil & Bro. Company, Twenty-ninth street and A. V. R. R., Pittsburg, Pa. Riveted steel pipe, blast furnaces, tanks, stills, stacks, cupolas, annealing boxes, baking and creosoting cylinders, and heavy plate work of all kinds. Cable address, "McNeil," Pittsburg. Code, A B C.

The McRae & Roberts Company, 227 Campbell avenue, Detroit, Mich. Steam brass goods; "Acme" and "Eureka" sight-feed double connection lubricators; Roberts' "Never Fail" sight-feed single connection lubricator; air cocks, air valves, water gauges; compression, ball and high pressure gauge cocks; gas cocks, cylinder cocks, compression bibbs and stops, boiler oil feeders, needle valves. Jobbers of gauge glasses, rubber gaskets and washers, gauge glass cutters, brass rods, steam gauges, wood and wire wheels for compression gauge cocks. Cable address, "McRoberts," Detroit. Codes, A B C and Western Union.

McRoy Clay Works, 445 Rookery building, Chicago, Ill. Works at Brazil, Ind. Clay conduits for electrical subways.

McVay & Bolcom Lumber Company, Ballard, Wash. Fir and cedar lumber, cedar shingles.

Jos. McWilliams & Co., 323 West Main street, Louisville, Ky. Steam, electric and refrigerating apparatus.

R. McWilliams, Limited, 342 Camp street, New Orleans, La. Manufacturers of white leads, white zincs, prepared paints, domestic paints, varnish stains, marine paints, carriage paints, colors in oil, dry colors, lacquers, enamels, varnishes, turpentine, pine tar, pitch, anti-fly oil, axle grease, cup and other lubricating greases, graphite paints, roof paints, bridge paints, furniture polish, gold paints, floor paints, floor varnishes, metallic paints, lubricating oils, rosin, cold water paints, neatsfoot oil, linseed and cottonseed oils. Cable address, "Crescem," New Orleans. Codes, Western Union, Atlantic Directory, A B C.

The Macbeth Iron Company, 57 West Center street, Cleveland, Ohio. Engineers, founders and machinists: light and heavy machine work, machinery castings of any size; blowing engines; blast furnace and rolling mill equipment; ore and coal handling machinery, revolving derricks, clam shell buckets, etc.

Macbeth-Evans Glass Company, Empire building, Pittsburg, Pa. Lamp glasses, chimneys; globes for all kinds of lamps (Welsbach, carbon oil, lard or whale oil), American, English or German; all grades of glass used in such articles, especially glass for high temperature lamps; signal glasses, all colors. Foreign branch in London. Cable address, "Macbeth," Pittsburg.

Macey-Wernicke Company, Ltd. (formerly The Fred. Macey Company, Ltd.), Grand Rapids, Mich. New York office, 343 Broadway. Sectional book cases, filing cabinets, typewriter desks and card index systems. Jobbers of desks, office and library furniture, leather couches, chairs and office chairs. Foreign agents: J. P. Richardson & Co., Melbourne; Roberto Boker & Cia., Mexico City. Cable address, "Maceydesk," Grand Rapids. Code, Atlantic Directory.

Mack & Co., 18 Brown's Race, Rochester, N. Y. Full line of carpenters' planes and edge tools, all kinds of coopers' hand tools, ship carpenters' tools, pump augers and reamers, machine knives, etc. Foreign agents: E. Thorn Ely, Buenos Aires; W. A. Chipman, Sydney. Cable address, "Barton," Rochester. Code, A B C.

Robert MacKinnon & Co., Little Falls, N. Y. Men's, ladies' and children's knit underwear.

Mackintosh, Hemphill & Co., Twelfth and Etna streets, Pittsburg, Pa. Rolling mill and blast furnace machinery; engines; iron, steel and brass castings and Babbitt metal.

The Mackolite Fireproofing Company, 1401 Schiller building, Chicago, Ill. Mackolite partition tile, column and girder covering, furring tile, plaster boards and floor arches.

Macomber & Whyte Rope Company, 19 South Canal street, Chicago, Ill. New York office and warehouse, 131 Worth street. Works at Coal City, Ill. Wire rope, strand, etc.; wire rope haulage, automatic haulage systems. Jobbers of wire and supplies, wire rope clips, blocks. Cable address, "Macwhyte," Chicago. Codes, A B C and Western Union.

Thomas Maddock's Sons Company, Trenton, N. J. Plumbers', ship and car sanitary earthenware; china fittings for metal mounting. Cable address, "Maddock," Trenton. Code, Western Union.

Maddox Table Company, Jamestown, N. Y. Parlor and library tables.

Main Belting Company, 1219 Carpenter street, Philadelphia, Pa. New York office, 309 Broadway. "Leviathan" belting (stitched canvas, special process). Jobbers of lace leather, belt hooks, patent fasteners, shafting,

hangers, pulleys, regular and special elevating and conveying outfits. Cable address, "Main," Philadelphia. Codes, Lieber's and Western Union.

Main Jellico Mountain Coal Company, Kensee, Kentucky. Producers of the celebrated Jellico and Blue Gem domestic coals.

Maine Manufacturing Company, Nashua, N. H. "White Mountain" refrigerators and ice chests, "Maine" screen sticks and corners. Cable address, "Maine," New York. Code, Western Union.

Majestic Manufacturing Company, 2012 Morgan street, St. Louis, Mo. Malleable iron and steel cooking ranges for family or hotel use; also gas family ranges.

Malleable Iron Fittings Company, Branford, Conn. Malleable iron fittings for steam, gas and water pipe; malleable iron, steel and semi-steel castings of all kinds made to order. Foreign agents: August Eggers, Bremen; H. Munzing, London; H. Munzing & Co., Paris; C. Mayland, Copenhagen. Code, private.

The Mallinckrodt Chemical Works, St. Louis, Mo., and 90 William street, New York. Morphine, bromides, iodides, hypophosphites, bismuth preparations and a general line of chemicals for medicinal, photographic and analytical uses. Cable address, "Mallinckrodt," St. Louis. Code, A B C.

Malta-Vita Pure Food Company, Battle Creek, Mich. Works also at Toronto, Canada. Malta-Vita, flaked wheat biscuit, Malta-Vita health coffee, malt extract. Cable address, "Maltavita," Battle Creek. All codes.

The Maltine Company, Eighth avenue and Eighteenth street, Brooklyn, N. Y. "Maltine," a concentrated extract of malted barley, wheat and oats; "Maltine" plain, "Maltine" with cod liver oil, "Maltine" with cascara sagrada, "Maltine" ferrated, "Malto-yerbine," "Maltine" with hypophosphites, "Maltine" with pepsin and pancreatin, "Maltine" with coca wine, "Maltine" with wine of pepsin, "Maltine" with peptones, "Maltine" with phosphate of iron, quinine and strychnia, "Maltine" with creosote; "Neoferrum," the new iron. Foreign agents: The Maltine Manufacturing Company, Ltd., London; R. L. Gibson, 88 Wellington street, Toronto. Cable address, "Maltine," New York. Code, Arnold's.

Manhattan Brass Company, 332 East Twenty-eighth street, New York. Kerosene oil lamps and burners of every description, bicycle lamps, "Cadet" brass lanterns, brass rail work, brass wire and tubing, etc. Cable address, "Brass," New York. Code, A B C Fourth edition.

Manistee Lumber Company, Manistee, Mich. Pine and hemlock lumber and timber, lath, salt.

A. E. Mann & Co., 36 Lincoln street, Boston, Mass. Boots and shoes.

William Mann Company, 529 Market street, Philadelphia, Pa. New York store, 59-61 Maiden Lane. Blank book makers, stationers, printers and lithographers; manufacturers of copying books and papers and loose leaf devices.

Manning, Maxwell & Moore, 85-87-89 Liberty street, New York. Branch offices in Chicago, Pittsburg, Cleveland, Boston and Philadelphia. Iron and wood working machinery, and supplies pertaining to same. Cable address, "Cognition," New York. Codes, Lieber's, A 1 and A B C.

Manufacturers' Automatic Sprinkler Company, 56 Liberty street, New York. Works at Syracuse, N. Y. Appliances for installing own system of automatic sprinkler protection.

Manufacturers' Commercial Company, 486 Broadway, New York. Advancing on sales accounts. Cable address, "Nymphite," New York. Codes, Lieber's and Western Union.

Manufacturers' Record Publishing Company, Baltimore, Md. Publishers of *The Manufacturers' Record,* a journal devoted to the industrial interests of the southern portion of the United States, and *The Southern Farm Magazine,* a publication devoted to the agricultural interests of the southern United States,

Manville Company, Board of Trade building, Providence, R. I. Selling office: Geo. B. Duren & Sons, 57 Leonard street, New York. Mills at Manville and Woonsocket, R. I. Cotton goods in great variety of styles and fabrics: drapery and curtain effects, summer goods for women's wear, etc. Cable address, "Manville," Providence. Code, A B C.

Marietta Chair Company, Marietta, Ohio. Cane and wood chairs.

The Marion Steam Shovel Company, Marion, Ohio. Steam shovels, dredges, ditchers, railroad ditchers, ballast unloaders, log loaders and all kindred machinery. Cable address, "Barnhart," Marion. Codes, A B C Fourth edition, Lieber's and Western Union.

A. A. Marks, 701 Broadway, New York. Manufacturer of artificial arms, feet, hands and legs; cork legs; rubber feet, hands and fingers; crutches, crutch ferrules, invalid chairs, wheel chairs, surgical appliances; rubber ferrules for crutches, canes and peg legs; buckles for surgical appliances, knife and fork combined for one-armed persons. Jobbers in elastic and non-elastic webbing. Cable address, "Artificial." New York. Code, A B C Fourth edition.

Marseilles Manufacturing Company, Marseilles, Ill. Spring and cylinder corn shellers for hand, or field, or warehouse use; corn cleaners, feed grinders, feed cutters, horse-powers, jacks, wood saws, fanning mills, and portable elevators. Foreign agents: Agar, Cross & Co., Buenos Aires; Roberto Boker & Co., City of Mexico; McLennan & Co., Brisbane; Malcomess & Co., East London, South Africa. Cable address, "Adams," Marseilles, Ill. Codes, A B C and Western Union.

Marshall & Bruce Company, 306 North College street, Nashville, Tenn. Blank books and law books. Jobbers of school books.

Marshall-Wells Hardware Company, Duluth, Minn. Harness, saddles, horse collars, strap work, tents, awnings and tinware. Jobbers of hardware, sporting goods, paints, glass, mill and mining supplies, saddlery goods and carriages. Cable address, "Marswells," Duluth.

Marshutz & Cantrell, Howard and Main streets, San Francisco, Cal. General machinery and foundry: hoisting machinery, mining and logging engines, bull donkeys, locomotive cranes, etc.

Martin Brothers, 116 Broad street, New York. Factories in Richmond and Petersburg, Va. Plug (Cavendish) tobacco, smoking tobacco and cigarettes, Black Negro-head twist; specialty of "Picadura" tobacco and all grades of seed leaf siftings. Shippers of Virginia and Kentucky leaf tobacco and scraps. Cable address, "Finance," New York. Codes, A B C Fourth edition, Lieber's, Western Union, Arnold's Cipher No. 5 and private.

The Henry Martin Brick Machine Manufacturing Company, Inc., 628 North Charlotte street, Lancaster, Pa. Brick making machines, tempering mills and mixers, grinding and crushing machinery, elevators and conveyors, rock and ore crushers, ore washers, sand washers, sand and gravel screens, clay screens, sand grinders, sand driers, wheelbarrows; grey iron castings, hand and push cars, friction clutches, wet and dry

pans. Jobbers of engines and boilers; rubber, leather and chain belting. Cable address, "Martin," Lancaster. Codes, A B C Fourth edition, Lieber's and private.

The Martin Carriage Works, York, Pa. Light vehicles, buggies, surreys, daytons, runabouts, phaetons, depot wagons, spring delivery and express wagons and carts. Foreign agent: A. Cone, Durban. Cable address, "Marworks," York, Pa. Code, Western Union.

The Marting Iron and Steel Company, Ironton, Ohio. Foundry, malleable Bessemer and standard Bessemer pig iron.

Marx & Rawolle, 100 William street, New York. Works at Brooklyn, N. Y. Glycerine, French varnish, bleached shellac, shellac varnish, sealing wax. Cable address, "Rawolle," New York. Code, A B C Fourth and Fifth editions.

Maryland Steel Company, Sparrow's Point, Md. Steel rails and billets, steel steam and sailing vessels of all kinds. Foreign agents: Sanders & Co., London. Cable address, "Marsteel," Baltimore. Code, Lieber's.

Mason Machine Works, Taunton, Mass. Manufacturers of machinery for spinning and weaving cotton yarns and cloths.

The Mason Regulator Company, 158 Summer street, Boston, Mass. Works at Dorchester Lower Mills, Mass. Damper regulators, reducing valves, locomotive reducing valves, pump pressure regulators, automatic belt-shifters, balanced and lever valves, pump governors, elevator pump pressure regulators, rheostat regulators, air brake pump governors, gravity pump governors, steam pumps, automobile engines, reducing valves for vacuum systems. Foreign agents: Henri Nyssens, 33 Rue des Peignes, Antwerp; Reck Heating Co., Copenhagen; Crosby Steam Gage and Valve Co., London; H. P. Gregory & Co., Sydney. Cable address, "Masonica," Boston. Codes, A B C Fourth edition and private.

Massachusetts Cotton Mills, 53 State street, Boston, Mass. Mills at Lowell, Mass. Cotton cloth: Canton flannels, brown and bleached, 29 to 45 inches wide; denims, 29 inches wide; waste bag goods, 30 inches wide; colored flannelettes, bleached and yarn-dyed, 29 inches wide; chambrays, bleached and yarn-dyed, 28 inches wide.

Massee & Felton Lumber Company, Macon, Ga. Saw mills at Massee, Ga. Sash, doors, blinds, mouldings; interior trimmings, such as base, casing and wainscoting; turned work, plain pine mantels; rough and dressed long leaf yellow pine lumber, shingles, laths; specialty of heavy dimension stock. Jobbers of lime and cement. Codes, Western Union and Southard's.

Mast, Foos & Co., Springfield, Ohio. "Imperial" and "Iron Turbine" wind mills, steel towers; "Buckeye" force and lift pumps, deep well pumps, fire and hand pumps; irrigation, spraying, wind mill and power pumps; "Buckeye" lawn mowers, wrought iron fences. Export agents: Crossman & Sielcken, 77 Broadway, New York. Foreign agents: F. Lassetter & Co., Sydney; J. P. Richardson & Co., Melbourne; W. Souter & Co., Cambridge, New Zealand; Reid & Gray, Dunedin, N. Z.; American Trading Co., Amsterdam; Phillips & Co., Algoa Bay, South Africa.

The Matchless Metal Polish Company, 69 Frankfort street, New York. Works at New York and Chicago. Standard metal polishes—Matchless metal polish (paste), tripoline (paste), tripoli flour, Mexoline metal polish (liquid), Matchless cream metal polish (liquid), Champion bar polish (powder), White Diamond glass and silver polish (powder); White Diamond glass and silver polish (liquid); White Diamond buffing compositions—grades and quality marks: X, XX, XXX, XXXX, N. O.

I. (nickel on iron), Matchless crocus, emery cake, emery paste, white coloring composition, nickel rouge, gold and silver rouge, grades to meet all requirements. Cable address, "Matchless," New York.

Matthews Brothers Manufacturing Company, 61 Fourth street, Milwaukee, Wis. Fine interior woodwork, bank and office fixtures; special furniture.

C. J. Matthews & Co., 119 North Fourth street, Philadelphia, Pa. Glazed and patent kid. Cable address, "Matco," Philadelphia. Codes, A B C and Widebrook.

The David Maydole Hammer Company, Norwich, N. Y. Hand hammers: adze eye nail, plain eye nail, straight claw nail, nickel plated nail, blacksmiths', boilermakers', bricklayers', carriage ironers', coopers', farriers' adze eye driving, farriers' plain eye driving, engineers', horseshoers' turning, horseshoers' rounding, horseshoers' fitting, machinists' ball pein, nickel plated ball pein, machinists' cross pein, machinists' chipping, masons', plow, prospecting, stonecutters', tinners' riveting, tinners' setting, and adze eye, plain eye and double-face riveting—all made from crucible steel, with second growth hickory handles.

F. Mayer Boot and Shoe Company, 330 East Water street, Milwaukee, Wis. Boots and shoes. Cable address, "Mayerboot," Milwaukee. Code, Western Union.

The Mayer Pottery Company, Ltd., Beaver Falls, Pa. Semi-vitreous china—plain white and decorated—dinner, tea and toilet ware. Specialty, underglaze printed dinner ware.

Mechanical Fabric Company, 40 Sprague street, Providence, R. I. India rubber thread and card cloths of all kinds. Foreign agents: Warburton, Allen & Co., Leicester, England. Cable address, "Fabric," Providence. Code, A 1.

Mechanics' Mills, Davol street, Fall River, Mass. Cotton cloths: sheetings, shirtings and fancy goods.

Medart Patent Pulley Company, Potomac and De Kalb streets, St. Louis, Mo. Power transmission machinery: shafting; cast iron, steel rim and wood pulleys; gearing, sheaves, friction clutches, pillow blocks and hanger bearings; shaft couplings; engine band wheels and fly wheels; sprocket wheels and chain; shaft straightening machines and shaft turning machines.

The Meek Company, Coshocton, Ohio. New York office, 277 Broadway. Metal advertising signs, Tuscaloid novelties, calendars and fine leather advertising goods. Original designs and trade marks furnished and executed. Cable address, "Standard," Coshocton. Code, A B C.

Meese & Gottfried Company, 167-179 Fremont street, San Francisco, Cal. Power transmitting machinery. Cable address, "Messeco," San Francisco. Codes, A B C, Atlantic Directory and Western Union.

John Mehl & Co., 128 Webster avenue, Jersey City, N. J. Fancy leather goods, pocketbooks, card cases, chatelaine bags, etc.

Meier & Schuknecht, Milwaukee avenue and Grand Trunk railway, Detroit, Mich. Trunks, traveling bags and travelers' goods.

The Meisel Manufacturing Company, Elk and Stone streets and Pine Grove avenue, Port Huron, Mich. Founders and machinists: flour mill machinery, elevator machinery, conveying and power transmission equipment, gray iron castings, etc. Sole manufacturers of "Case" roller mills. Roll grinding and corrugating a specialty. Jobbers of general mill supplies (belting, elevator buckets, link belting, etc.). Cable address, "Wizard," Port Huron.

Menasha Paper Company, Menasha, Wis. Mills at Menasha and Ladysmith, Wis. Paper: print, manila and colored poster.

Menasha Wooden Ware Company, Menasha, Wis. Wooden pails, tubs, barrels and kegs.

Mengel Box Company, Eleventh and Kentucky streets, and Twelfth and Ornesby avenues, Louisville, Ky. Factories at Louisville and Hickman, Ky., St. Louis, Mo., and Dyersburg, Tenn. Packing boxes, cigar boxes, tobacco boxes, crates, lumber, bucket staves and heading, pails and wooden ware. Cable address, "Mengelbox," Louisville. Codes, A B C and Western Union.

Merchant & Co., Inc., 517 Arch street, Philadelphia, Pa. New York office, 245 Water street; Brooklyn office, 584 Flushing avenue; Chicago office, 14 Michigan street. Bright tin plates, roofing plates; "Star" ventilators; Babbitt metals, electrotype and stereotype metals, solders and all mixed metals. Jobbers of brass and copper goods of every description, sheet iron, black and galvanized iron, tinsmiths' tools and machines, and metals of all kinds. Cable address, "Chantmer," Philadelphia. Codes, A B C Fourth edition, Lieber's and private.

Merchants' Distilling Company, 1535 South First street, Terre Haute, Ind. Alcohol spirits and gin.

Mergenthaler Linotype Company, Tribune building, New York. Type-casting and composing machines known as "Linotypes," producing, when operated by fingered keys, solid lines of type ready for the press. Foreign agents: Clisdell & Co., Buenos Aires; L. Lomer, Mexico City; T. Kurosowa, Tokio; A. G. Mitchell, Sydney. Cable address, "Linotype," New York.

Meridian Cotton Mills, Meridian, Miss. Plain and fancy weaves, colored cottons, cheviots, stripes, plaids and oxfords.

Meridian Fertilizer Factory, Meridian, Miss. Branch at Hattiesburg, Miss. Phosphate mines at Twomey, Tenn. Miners of phosphate rock; manufacturers of acid phosphate, ammoniated fertilizers and all cotton seed products—cotton seed oil, cotton seed meal, hulls and linters.

The Merrell Manufacturing Company, 843 Curtis street, Toledo, Ohio. New York office: The Fairbanks Co., Broome and Elm streets. Pipe threading and cutting machinery, nipple machines. Foreign agent: The Fairbanks Co., London. Cable address, "Merrell," Toledo. Code, Lieber's.

Merrell-Soule Company, head of North Franklin street, Syracuse, N. Y. Factories also at Fayetteville and Chittenango, N. Y. "None Such" mince meat, pie fruits, Quickjel and chocolate pudding; Indian Brand canned corn succotash, peas and beans.

Merrill, Ring & Co., Saginaw, Mich. Timber lands. Jobbers of lands and logs.

Merrimac Chemical Company, 77 Broad street, Boston, Mass. Works at South Wilmington and East Boston, Mass. Acids, alums, bisulphite of soda, carbonic acid, Epsom salt, Glauber's salt, ammonia, acetic acid, tin crystals, sulphate of alumina, iron liquor, acetate soda, hydrate of alumina, nitrate of iron, hypo-sulphite of soda, etc. Cable address, "Howard," Boston. Code, A B C Fifth edition.

Merrimack Manufacturing Company, 53 State street, Boston, Mass. Mills at Lowell, Mass., and Huntsville, Ala. Cotton goods, 25 to 40 inches wide, bleached and printed; prints, fancy wash goods, corduroys and towels.

Merritt & Co., Inc., 1024 Ridge avenue, Philadelphia, Pa. Works at Camden, N. J. Expanded metal lath; expanded metal and concrete fireproof floors, partitions and walls; expanded metal lockers for gymnasiums and manufacturing establishments; architectural and ornamental ironwork; railings, grilles and gratings; fire-escapes, iron shutters and

doors, steel beams and columns, stairs, vault lights, stable fittings, bolts and stirrups, brass and iron wire cloth, elevator enclosures and cars, artistic wrought ironwork, wire screens and guards, "Union" metallic corner bead for plasterers; sewage disposal apparatus. Cable address, "Merrittco," Philadelphia. Code, Lieber's.

C. H. Merritt & Son, Danbury, Conn. New York store, 4-6 Washington place. Fur felt hats, stiff or flexible derby hats, soft and semi-soft hats.

Mershon, Schuette, Parker & Co., Saginaw, Mich. Sales offices: 18 Broadway, New York; 915 Real Estate Trust building, Philadelphia; 418 Ferguson building, Pittsburg, Pa. Mills and yards at Saginaw and Bay City, Mich. White pine and basswood lumber, rough and dressed; sash, doors and blinds; white pine mill work, boxes, lath, shingles, pickets, and a general line of stock manufactured from lumber. Cable address, "Mershon." Codes, A B C Fifth edition, Telecode and Lumberman's Code.

Wm. B. Mershon & Co., Saginaw, Mich. Band resaws, band edgers, band rip saws, band log mills. Foreign agents: Bryce, Junor & White, London; Sussfeld, Lorsch & Co., Paris; Schuchardt & Schütte, Berlin. Cable address, "Mershon," Saginaw. Codes, A B C Fourth and Fifth editions, Lieber's and Western Union.

Mesta Machine Company, 708 Lewis building, Pittsburg, Pa. New York office, Singer building, 149 Broadway. Piston valve reversing engines; engines for rolling mills, blast furnace and power plants, Corliss valve and piston valve types; rolling mill machinery, such as roll trains; steel, sand and chilled rolls; roll lathes, machine moulded gears made of steel or iron; also all kinds of acid open-hearth steel castings.

Metal Stamping Company, Jackson, Mich. Aluminum oil heaters, blue flame oil cooking stoves, "Novelty" knock-down ovens and metallic refrigerators. Cable address, "Novedad," Jackson. Codes, A B C and Lieber's.

Herman A. Metz, 122 Hudson street, New York. Works at Newark, N. J. Colors and chemical preparations; specialties for dyers and calico printers. Jobbers of aniline colors, coal tar preparations and chemicals for dyers, printers, paints, inks, etc. Cable address, "Hametz," New York. Code, A B C Fifth edition.

Meyer & Goetze, 109-111 Worth street, New York. Mills at Philadelphia and Canton, Mass. Woolen and cotton goods for men's wear and dress goods; medium grade cassimeres, worsteds, etc.; olive drab uniform cloth for the U. S. Army and the trade in general; khaki uniform cloths, U. S. Government standard, for the Army and Navy; khaki canvas for shipbuilders and tent makers; khaki duck and khaki fabrics of all kinds; tenting duck and fancy cottons. Also dyers and finishers of cotton piece goods (khaki a specialty) and converters of cotton goods. Cable address, "Goetzeto," New York. Code, A B C.

The Fred J. Meyers Manufacturing Company, Hamilton, Ohio. Genuine Hunter's and electric flour sifters; sand and grain riddles, rat and mouse traps, dish covers, bird cages, squirrel and parrot cages, cage brackets, conductors' and ticket punches, barrel covers, display baskets; horse, ox and dog muzzles; corn poppers, toasters, fire guards and fenders, brass wire and galvanized wire cloth, iron and wire chairs and settees, flower stands; elevator cars and enclosures, bank railings, iron and wire guards, iron fences; wrought and cast iron architectural work. Code, Western Union.

The Miami Cycle and Manufacturing Company, Middletown, Ohio. Racycles, bicycles and ordnance. Foreign agents: R. Sumi & Co., Osaka; Henry De Rudder & Co., Ghent; E. Sanchez Ruiz & Cia., Mexico City;

Weiss & Stabilini, Milan; Carter Greenwood & Co., Lahore. Cable address, "Miami," Middletown. Codes, Lieber's, A B C, Western Union and private.

The Miami Powder Company, 109 West Main street, Xenia, Ohio. Works at Goes, Ohio. Common blasting powder. Jobbers of sporting powder and high explosives.

Michaels, Stern & Co., Rochester, N. Y. New York salesrooms, 753 Broadway. Men's and boys' clothing.

J. H. Michener & Co., 956 North Front street, Philadelphia, Pa. Provisions: special brands of ham, breakfast bacon and lard. Cable address, "Michener," Philadelphia. Code, Western Union.

The Michigan Barrel Company, Grand Rapids, Mich. Refrigerators; bent hollow ware, riddle and sieve rims, etc.; baskets and crates for fruit. Cable address, "Michbarco," Grand Rapids. Code, Western Union.

Michigan Bolt and Nut Works, foot of Meldrum avenue, Detroit, Mich. Iron, steel and copper bolts; nuts, rivets, rods, straps, stirrups, anchor rods, guy clamps, floor hooks, lag screws, coach screws, turnbuckles, washers, cross-arm braces, light forgings and drop forgings; electrical construction materials, plain, japanned or galvanized. Cable address, "Michibolt," Detroit. Code, Western Union.

Michigan Buggy Company, Kalamazoo, Mich. New York office, O. E. Short, agent, 1665 Broadway. Buggies, surreys, spring wagons, road wagons, phaetons, traps, sewing machine wagons, road carts, speeding carts, pony vehicles (20 styles), cutters and sleighs (20 styles).

Michigan Chair Company, Grand Rapids, Mich. Dining room chairs, house desks, office arm chairs and desk chairs, chamber chairs, stands, taborettes and pedestals, hall chairs and hall seats and mirrors, odd chairs for every room in the house. Cable address, "Michchair," Grand Rapids.

The Michigan Lubricator Company, 673 Beaubien street, Detroit, Mich. Locomotive sight-feed lubricators; sight-feed lubricators for use on steam engines, air pumps, air compressors and gas engines; glass and brass oil cups of all descriptions; grease cups, oil pumps, water gauges, gauge cocks. Agents for Great Britain and Ireland: Hodgson Hartley, Ltd., Manchester. Cable address, "Lubricator," Detroit. Codes, Western Union and Postal Telegraph.

The Michigan Stove Company, 1022 Jefferson avenue, Detroit, Mich. Western headquarters in Chicago. Manufacturers of a complete line of Garland cast iron and steel cooking and heating stoves and ranges, adapted to all parts of the world and made for all kinds of fuel, including gas ranges and heaters of all descriptions. Export agents: Muller, Maclean & Co., 116 Broad street, New York. Cable address, "Michstove," Detroit. Code, private.

Michigan Wire Cloth Company, 500 Howard street, Detroit, Mich. Wire cloth, wire netting, wire screens, wire lathing, wire lockers.

Mid-Continent Mills (Thomas Page, Proprietor), Station A, Topeka, Kan. Flour, bran and shorts. Foreign agents: Bruce & Wilson, Glasgow; R. Hunter Craig & Co., Ltd., Liverpool and London; H. Hoecker, London. Cable address, "Tompage," Topeka. Code, Riverside.

The Midland Bridge Company, 660 Gibraltar building, Kansas City, Mo. All kinds of bridges, structural steel, viaducts, deep and difficult foundations, standpipes, etc.

The Midvale Steel Company, Blabon street and P. & R. railroad, Philadelphia, Pa. New York office, American Surety building, 100 Broadway. Also branch offices in Boston, Chicago and San Francisco. Steel locomotive driving, truck and car wheel tires; rolled steel wear-

ing parts for grinding machinery, roller shells, ring dies, etc.; rolled steel pipe flanges; steel locomotive and marine engine forgings, axles, crank pins, piston rods, connecting rods, crank shafts; line, thrust and propeller shafting, both rough and finished; hydraulic hollow-forged shafts; nickel steel forgings and castings; miscellaneous forgings and castings of any size; parts for mining machinery, stamp shoes and dies, crusher plates, etc.; machinery, file, spring, tool and self-hardening steels; marine engines; gun forgings, finished guns and their mounts; common and armor piercing projectiles; armor plate.

August Mietz, 128-138 Mott street and 87-89 Elizabeth street, New York. Oil and gas engines, marine engines, direct dynamos, belted dynamos, kerosene engines, centrifugal pumps, triplex pumps, universal pumps, deep well pumps, pump gears, air compressors, hoists, portable outfits, reversing clutches, irrigating pumps. Highest award for direct coupled engine and generator, Paris Exposition 1900; gold medal, Pan-American Exposition 1901; gold medal, Charleston, S. C., Exposition 1902; gold medal and special diploma, Louisiana Purchase Exposition, St. Louis, 1904. Cable address, "Mietzweiss," New York. Codes, A B C Fourth and Fifth editions, Lieber's and Western Union.

Milburn Wagon Company, Toledo, Ohio. Farm wagons and carts, railroad carts, gears; buggies, drays and wagons—freight, top, road, spring, delivery and express. Cable address, "Milburn," Toledo. Codes, A B C and Western Union.

The Dr. Miles Medical Company, Elkhart, Ind. Dr. Miles' system of remedies, including "Dr. Miles' Nervine," "Dr. Miles' Heart Cure," "Dr. Miles' Nerve and Liver Pills," "Dr. Miles' Anti-Pain Pills." Cable address, "Miles," Elkhart, Ind. Code, Western Union.

Millbourne Mills Company, Sixty-third and Market streets, Philadelphia, Pa. Spring, winter and blended wheat flours, and wheat bran; feed. Foreign agent: Ross T. Smyth & Co., Liverpool. Cable address, "Millbourne," Philadelphia. Code, Riverside.

The Frank Miller Company, 349 West Twenty-sixth street, New York. Blackings and dressings for harness and for boots and shoes; harness oil, harness soap, harness dressing, harness-makers' edge ink, carriage top dressing, carriage axle oil; shoe blacking in boxes and bottles; finishing, dressing and burnishing ink for shoe manufacturers. Foreign branch in London. Cable address, "Owaneco," New York. Codes, Adams Cable Codex and A B C.

The Miller Lock Company, 4523 Tacony street, Frankford, Philadelphia, Pa. Manufacturers of "Champion," "New Champion," "Protector," "Protector Jr.," "Tiger," "Elephant," "Climax," "Jackson" and "Lincoln" padlocks; "Champion," "Lincoln," "Protector" and "Miller" rim Night Latches; Craig keyless "Click" locks; combination locks; bicycle locks; tin cash boxes with keyed locks; tin cash boxes with keyless locks; Post Office keyed, also keyless, Lock Boxes; Mail-bag locks; Safe Deposit locks; Railway Switch locks; Cabinet locks. Cable address, "Locks," Philadelphia. Codes, A B C and Western Union.

Miller Organ and Piano Company, Lebanon, Pa. All kinds of reed organs, in 5, 6 and 7 octaves. Jobbers of pianos, and sole factors of the Keystone Piano. Cable address, "Miller," Lebanon. Code, private.

Miller Wire Spring Company (department of The Bridgeport Chain Company), Bridgeport, Conn. Upholstery and bed springs, compression and extension springs.

Edward Miller & Co., Meriden, Conn.; New York store, 28 West Broadway; Boston store, 63 Pearl street. Kerosene, gas and electric lighting fixtures of all varieties for dwellings: kerosene lamps for hanging, floor and table use; also kerosene lamp burners and all accessories

and trimmings; specialties: the "Miller," "Juno" and "Empress" lamps; kerosene oil heating stoves and electric and gas portables; bicycle lanterns. Foreign agents: Charles Cullen, Melbourne; W. A. Henderson, Cape Town; F. W. Horne, Yokohama; R. Tillmans & Co., Valparaiso. Cable address, "Apsa," Meriden. Codes, A B C Fifth edition, Atlantic Directory, Lieber's, Manufacturers' Export and Western Union.

John R. Miller & Co., Reading, Pa. Men's, boys', ladies' and children's wool hats of all colors and styles. Cable address, "Miller," Reading. Code, A B C.

Wm. Miller & Sons, Inc., Railroad street, Rochester, Pa. Doors, sash, blinds, mouldings and veneered hardwood doors. Hardwood interiors a specialty.

The Miller, Du Brul & Peters Manufacturing Company, 507 East Pearl street, Cincinnati, Ohio. New York office, 1 Madison avenue. Cigar machines and molds, cigarette machines, tobacco cutters, and cigar makers' tools and supplies. Cable address, "Vertical," Cincinnati. Codes, Lieber's, A 1, A B C and Western Union.

Milliken Brothers, 11 Broadway, New York. Works, Staten Island, New York. Branch office in San Francisco. Structural and ornamental iron and steel work of all descriptions for buildings, sheds, piers, bridges, churches, manufacturing plants, sugar mill and market buildings, etc.; steel and iron, brass and bronze work for stairs, railings, grilles; rolling shutters and corrugated galvanized sheet iron for roofs and sides of buildings. Also general contracting for complete buildings, including masonry, carpentry, plumbing and all other classes of general construction work. Foreign branches in London, Antwerp, Mexico City, Honolulu, Cape Town and Johannesburg. Cable address, "Millikbros," New York. Codes, A 1, A B C Fourth and Fifth editions, Lieber's, Atlas, Western Union, Premier and private.

Thomas Mills & Brother, Inc., 1301 North Eighth street, Philadelphia, Pa. Confectioners', bakers', cooks' and ice cream manufacturers' tools and machinery; ice cream freezers. Cable address, "Brosmil," Philadelphia. Codes, A B C and Western Union.

The Millville Manufacturing Company, 626 Chestnut street, Philadelphia, Pa. Mills at Millville, N. J. Cotton linings, taffeta effects, silesias, bleached diaper; cotton, huck and crash toweling; jaconet, elastic linings, percalines and skirtings; silk imitations and mercerized fabrics. Kremer & Strubing, selling agents, Philadelphia. Cable address, "Wood," Philadelphia. Code, A B C.

W. S. Milne, Cleveland, Tenn. Cane seat chairs and rockers, medium grade, of oak wood only.

The Milner & Kettig Company, Birmingham, Ala. "Porcupine" dry kilns for lumber and brick; all kinds of machine tools, machinery, valves, pipe and fittings. Jobbers of heavy hardware, mill and plumbing supplies. Cable address, "Milketco," Birmingham. Code, Western Union.

Milwaukee Bag Company, 206-234 South Water street, Milwaukee, Wis. Cotton and jute flour sacks, burlap bags, cotton and jute bags for all purposes, newspaper and school bags; all bags printed or plain. Also weatherproof cloth, weatherproof muslin, oilcloth, parchment fiber and paraffined cardboard advertising signs; advertising bibs, advertising aprons, advertising horse covers. Jobbers of seamless cotton grain bags, cotton duck, burlaps (Hessians), cotton sheetings and twines. Cable address, "Modoc," Milwaukee. Codes, Lieber's, A B C Fourth edition and Western Union.

Milwaukee Dustless Brush Company, 122-124 Sycamore street, Milwaukee, Wis. Dustless brushes for homes, schools, stores and public buildings. Foreign agents: M. N. Dafoe, 29 Colborne street, Toronto, Ont., for Canada; Reid Bros., Cape Town, for South Africa; American Brokerage Co., Ltd., Honolulu, for Hawaiian Islands. Cable address, "Nomoredust." Code, Western Union.

The Mine and Smelter Supply Company, Seventeenth and Blake streets, Denver, Col. New York office, 155 Washington street. Branch houses at Salt Lake City, Utah, and El Paso, Tex. Mining and ore-milling machinery. Cable address, "Cary," Denver. Codes, Atlantic Directory, A B C, Western Union and Bedford McNeal's.

Miner & Beal, 63 Summer street, Boston, Mass. Men's and young men's clothing in fine and medium grades.

Miner-Hillard Milling Company, Wilkes-Barre, Pa. Mills at Miner's Mills, Pittston, Plymouth and Wilkes-Barre, Pa. Maize flakes or flaked hominy, choice white samp, choice white meal, granulated hominy, pearl hominy, brewers' grits, brewers' meal, brewers' quick malt, confectioners' flakes, bakers' cones, sausage makers' corn flour; wheat, rye, buckwheat and corn flour; rye graham, wheat graham flour, wheat meal, yellow corn meal; feed of all kinds and grain, hay, straw and salt. Foreign agents: Grimsdale & Sons, London and Uxbridge, Eng.; Tapscott, Kitchen & Neville, Liverpool; H. T. Gaddum & Co., Manchester; Collier & Son, Bristol; McKinnon & McDonald, Glasgow; Van der Zee & Grippeling, Amsterdam; Alphonse Dumon, Bruges; Justesen Bros., Copenhagen; M. Marques, Hôtel Continental, Paris. Cable address, "Minerflour," Wilkesbarre. Code, Riverside.

Mineral Point Zinc Company, 1104 Marquette building, Chicago, Ill. Works at Mineral Point, Wis., and North Chicago, Ill. Oxide of zinc, spelter, high grade sulphuric acid.

Minneapolis Steel and Machinery Company, 2854 Minnehaha avenue, Minneapolis, Minn. Corliss engines, shafting, pulleys, sheaves, boxes, full line of transmission machinery; structural ironwork for office, mill and factory buildings; steel highway and railway bridges, coal and ore handling machinery. Cable address, "Steel," Minneapolis. Codes, Western Union, and United States Steel Corporation code.

Minor Mill and Lumber Company, Glendale Mill, Arcata, Humboldt county, Cal. Redwood lumber and shingles.

Mishawaka Woolen Manufacturing Company, Mishawaka, Ind. Rubber and woolen footwear.

J. Henry Mitchell, 821 North Thirteenth street, Philadelphia, Pa. Bakers' machinery. Cable address, "Toggle," Philadelphia.

The Jno. J. Mitchell Company: New York, 122-124 Fifth avenue; Paris, 110 rue Réaumur. American fashions (periodicals and fashion plates). Men's: *The Sartorial Art Journal,* in English, French, German and Spanish (monthly); *The American Tailor and Cutter,* technical trade journal (monthly). Ladies' fashions: *The American Ladies' Tailor and Supplement,* advance styles; issued semi-monthly. *The American Furrier; Cloak and Suit Novelties; Waist Novelties; Skirt Novelties;* all issued monthly with fashion plates of the highest order of artistic excellence. Booklets and announcements; school of garment cutting; standard text books on garment cutting; patterns of all kinds for men and women; trade implements, etc. Cable address, "Chellmit," New York and Paris. Codes, Atlantic Directory and private.

The P. R. Mitchell Company, Spring Grove and Harrison avenues, Cincinnati, Ohio. New York office, 185 Canal street. Curled hair (sterilized) for all upholstering purposes, feathers and down for bedding pur-

poses, turkey quills for duster and millinery purposes, bristles; tickings, denims, cretonnes, etc.; feather dusters; pillows and cushions. Cable addresses: "Effingham," Cincinnati; "Breakwater," New York. Codes, A B C Fourth edition and private.

The Robert Mitchell Furniture Company, 626 Race street, Cincinnati, Ohio. Furniture, bank fixtures, court house fixtures and furniture, interior trimmings for buildings, mantels.

Mitchell & Peirson, 1012 Passyunk avenue, Philadelphia, Pa. Chrome glazed kid. Foreign agents: Geo. Angus & Co., Ltd., Liverpool.

Mittineague Paper Company, Mittineague, Mass. Fine writing papers; bond, ledger, book and cover papers; large variety of specialties: map, deed, artist papers and boards; detail drawing papers, photo mount and mat papers and boards, etc. Foreign agents: George F. Smith & Son, London, Hull, Vienna, Berlin, Dresden and Paris. Cable address, "Strathmore," Mittineague. Code, A B C Fourth edition.

Modern Steel Structural Company, Waukesha, Wis. Railway and highway bridges, steel structures of all kinds, including buildings; steel contractors' derricks, crabs, blocks, etc.

John Mohr & Sons, 32 Illinois street, Chicago, Ill. Boilers of all types: Cornish, fire box, flue, tubular, water tube; blast furnaces, converters, steel ladles, hot stoves, rolling furnaces, and everything that can be manufactured from plate steel or structural steel. Cable address, "Mohrsons," Chicago. All codes.

Moline Elevator Company, 112 Seventeenth street, Moline, Ill. Passenger and freight elevators exclusively.

Moline Plow Company, Moline, Ill. Plows: sulky, gang and disk plows; harrows, disk harrows, cultivators, corn drills and planters; beet seeders, pullers and cultivators; stalk cutters, listers. Jobbers of wagons. Cable address, "Dutchman," Moline. Codes, Lieber's and A B C Fifth edition.

Moline Wagon Company, Moline, Ill. Farm wagons of all descriptions. Cable address, "Wagons," Moline.

Moller & Schumann Company, Marcy and Flushing avenues, Brooklyn, N. Y. Western branch in Chicago. Carriage varnishes, cabinet and furniture varnishes, tinware varnishes, baking japans, japan and liquid driers, lacquers and woodfiller.

Moloney Brothers Company, Otsego and Platt streets, Rochester, N. Y. Women's, misses' and children's shoes in McKay's turns and welts.

Monaghan Mills, Greenville, South Carolina. New York agents: Woodward, Baldwin & Co., 43 Worth street. Cotton goods: print cloths in various widths, fancy dress and shirt goods, sheetings; also cotton fabrics for bags, oil cloths, shades, etc.

Monarch Electric and Wire Company, 125 South Clinton street, Chicago, Ill. Manufacturers of weatherproof copper and iron wire, office and annunciator wire, galvanized strand; and jobbers of electrical supplies. Cable address, "Mewco," Chicago. Code, Western Union.

Monarch Telephone Manufacturing Company, 14 South Clinton street, Chicago, Ill. Telephones, telephone switchboards and exchange supplies. Cable address, "Montelco," Chicago. Code, A B C.

Monitor Drill Company, St. Louis Park, Minn. (Mail address, Minneapolis, Minn.) David S. Hays, 5 Broadway, New York, resident agent. Drill seeding machines. Foreign agents: Sebastian Sterzer, Dinglefing, Germany; Herrera y Soriano, Bilbao, Spain; Vidal Carsi & Co., Grao, Spain. Cable address, "Monitor," Minneapolis. Code, Lieber's.

Monmouth Mining and Manufacturing Company, Monmouth, Ill. Sewer pipe, fire brick, flue lining and drain tile.

Monongahela Tube Company, 321 Third avenue, Pittsburg, Pa. Works at Wilson, Pa. Soft steel and charcoal iron boiler tubes; wrought iron line pipe, tubing and casing for oil and gas wells and oil and gas lines. Cable address, "Monongahela," Pittsburg. Codes, Lieber's and Western Union.

Monroe Cotton Mills, Monroe, N. C. Yarns.

Monroe Foundry and Furnace Company, Monroe, Mich. Heating furnaces. Jobbers of registers, radiators, valves and fittings.

Monroe Refrigerator Company, Lockland, Ohio. Manufacturers of the "Monroe" Solid Porcelain Refrigerators; food compartments of real porcelain ware, moulded in one piece with rounded angles. Absolutely without joint or crevice in which dirt and small particles of food can lodge and decay. Strictly sanitary. Exterior case made of oak lumber, highly finished. Cable address, "Monroe," Sta. "R," Cincinnati, Ohio. Code, Western Union.

Montague & Co., Chattanooga, Tenn. Sewer pipe, railroad culvert pipe, flue pipe, drain tile, fire proofing, fire brick and other clay products.

Montgomery Brothers & Co., foot of Court street, Buffalo, N. Y. Dealers in white pine lumber, wholesale and retail; manufacturers of boxes, sash, doors, blinds, interior finish and general mill work.

W. M. Mooney & Co., Ausable Chasm, N. Y. Horse nails.

Alfred F. Moore, 200-218 North Third street, Philadelphia, Pa. Insulated wire, cables and flexible cords for electrical purposes. Cable address, "Insulated," Philadelphia. Code, Lieber's.

Moore & Sinnott, 232 South Fourth street, Philadelphia, Pa. Distilleries at Gibsonton, Pa. Old "Monongahela" rye, and fine rye and malt whiskies. Foreign agents: William Young & Co., Mexico City; Kuenzle & Streiff, Manila. Cable address, "Sinot," Philadelphia.

Moore & Thompson Paper Company, Bellows Falls, Vt. Manila, envelope, manila wrapping, railroad manila, parchment and wax papers.

John T. Moore Planting Company, Ltd., Schriever, La. Sugar, molasses.

The Moore & White Company, Fifteenth street and Lehigh avenue, Philadelphia, Pa. Paper and pulp mill machinery, friction clutch pulleys, friction clutch cut-off couplings, speed changes and countershafts; saturating and coating machines for roofing and waterproof paper, oil cloth and linoleum printing machinery. Cable address, "Moite," Philadelphia. Codes, A B C Fourth edition and Western Union.

Moran Bros. Company, Seattle, Wash. Shipbuilders. General foundry, machine, blacksmith and boiler shops. Saw-mills, dry docks and marine railway. Lumber manufacturers. Jobbers of steel and other metals, pipe, tubes, ship and engine fittings. Cable address, "Moraniron," Seattle. Codes, A B C Fourth edition, Atlantic Directory, Western Union, Lumbermen's Standard and private.

The Morawetz Co., 343 Broadway, Milwaukee, Wis. Gloves, mittens.

Morden Frog and Crossing Works, 618 The Rookery, Chicago, Ill. Works at South Chicago. Railroad frogs, crossings, switches, switch stands, head chairs, guard-rail clamps, tie-bars, track jacks and rail braces. Cable address, "Morden," Chicago.

The More-Jonas Glass Company, Bridgeton, N. J. Light green and amber glass bottles.

Morgan Construction Company, 21 Lincoln street, Worcester, Mass. New York office: E. A. W. Jefferies, manager, 40 Exchange place. Rolling mill machinery, especially continuous billet, merchant bar, hoop and

wire rod rolling mills; wire drawing machinery, hydraulic machinery, billet heating furnaces and Morgan continuous and automatically fed gas producers. Foreign agents: Julian Kennedy, Sahlin & Co., Ltd., London. Cable address, "Morconco," Worcester. Codes, Westinghouse, Lieber's, Atlantic Directory, Western Union, A B C Fourth and Fifth editions.

The Morgan Engineering Company, Alliance, Ohio. Electric overhead traveling cranes; all kinds of heavy machinery for rolling mills, steel plants and blast furnaces; hydraulic machinery, heavy shears, steam hammers, roller tables, ship-builders' machinery, gun and mortar carriages, electric controllers, charging machines, both overhead and floor type; bending, flanging and riveting machines, punches and shearing machines, and all kinds of special machinery. Cable address, "Morgan," Alliance. Codes, A B C Fourth and Fifth editions and Western Union.

Morgan Manufacturing Company, Jamestown, N. Y. Parlor and library tables, pedestals and tabourets.

Morgan & Hamilton Company, 174 North Market street, Nashville, Tenn. Cotton flour sacks. Jobbers of paper, paper bags, twine and stationery. Cable address, "Nagrom," Nashville.

Morgan & Wright, 19 North May street, Chicago, Ill. New York office, 214 West Forty-seventh street. Rubber goods for mechanical and industrial purposes, solid and pneumatic tires for vehicles, bicycles and automobiles; valves, packing, dental rubber, springs, hand stamp rubber, tubing, gaskets, moulded goods; rubber heels and horse shoe pads; railroad, mining and water works specialties; drug sundries, hard rubber goods, battery jars, rods and tubing. Cable address, "Morganwrit," Chicago. Codes, A B C Fourth and Fifth editions, Lieber's and private.

Morgan-Gardner Electric Company, Twenty-seventh street and Shields avenue, Chicago, Ill. Coal mining machinery (electric)—generators, haulage locomotives, chain breast machines (three types), mine drills, shearing machines and everything for coal mining. Foreign agents: C. D. Willard, 6 Surrey street, London; Entreprise Générale, Paris. Cable address, "Gardner," Chicago. Code, Western Union.

Morley Brothers, 115-129 North Washington avenue, Saginaw, Mich. "Blue Line" lumbering tools; the Morley "Easy Rolling" shelf ladder; harness and horse collars. Jobbers of general hardware and sporting goods.

Morris & Company, Union Stock Yards, Chicago, Ill.; Gansevoort market, 46 Tenth avenue, New York; National Stock Yards, East St. Louis, Ill., and South St. Joseph, Mo. Fairbank Canning Co.'s canned meats, lard, lard and oleo oils, butterine, beef and pork products, animal fertilizers, bones, horns, hoofs, casings, extract of meats, etc. Foreign agents: Morris Beef Co., Ltd., Liverpool; Morris Beef Co., London; Morris Packing Co., Hamburg, Antwerp and Copenhagen; Nelson Morris & Co., Rotterdam. Cable address, "Faircan," Chicago. Codes, private, A B C Fourth and Fifth editions, Western Union and Lieber's.

Morris & Co., Groveville, N. J. Cotton duck, Cordemon wool and Cordemon cotton carpets, coal bags, duck baskets. Cable address, "Cordemon," Groveville via Trenton. Code, Western Union.

Morris Machine Works, Baldwinsville, N. Y. New York office, 39-41 Cortlandt street. Centrifugal pumping machinery, stationary steam engines, marine engines, propeller wheels. Foreign agents: United Engineering Co., Ltd., Johannesburg; Parke & Lacy Co., Sydney; Kay Dyhr, Copenhagen. Cable address, "Morris," Baldwinsville, N. Y. Code, Lieber's.

A. B. Morse Company, St. Joseph, Mich. Printers, stationers and blank book manufacturers; office supplies of all kinds. Specialties: catalogues and printing of trade journals. Code, Western Union.

Morse Twist Drill and Machine Company, New Bedford, Mass. Arbors, chucks, counterbores, countersinks, increase twist and constant angle drills, gauges, machines, mandrels, milling cutters, taper pins, shell end mills, reamers, screw plates, sleeves, sockets, taps, dies, tap wrenches and machinists' tools. Cable address, "Morse," New Bedford. Codes, A B C Fourth edition, Lieber's and Western Union.

Morton Manufacturing Company, Muskegon Heights, Mich. Iron working machinery consisting of: keyway cutters, portable and stationary; draw cut iron shapers, portable planers, steel casting shapers and frog and crossing shapers. Foreign agents: Schuchardt & Schütte, Berlin and branch offices; Selig, Sonnenthal & Co., London. Cable address, "Morton," Muskegon. Codes, Lieber's, A B C and Western Union.

The Mosaic Tile Company, Zanesville, Ohio. Ceramic Roman mosaic, vitreous and semi-vitreous floor tile.

The J. L. Mott Iron Works, 88 Beekman street, New York. Works in New York, Trenton, N. J., and West Newton, Pa. Modern plumbing fixtures, bath tubs, water closets, lavatories, wash tubs, sinks, bath room fittings, furnaces, caldrons, ranges, steam and water heaters, radiators, fountains, drinking fountains, stable fittings, weather vanes, ornamental iron and brass work. Jobbers of tiles. Foreign agents: W. & R. Goebel, Leipzig; L. Bouillet, Monte Carlo. Cable address, "Nymsimil," New York. Codes, A B C Fourth edition, Lieber's and Western Union.

Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill. Barrel cars, box cars, caboose cars, car castings of every kind, car and engine wheels of all kinds, car forgings of every kind, coal cars, construction cars, drop bottom coal cars, dump cars, flat cars, freight cars, furniture cars, gondola cars, hay cars, hopper bottom ore cars, logging cars, logging trucks, long flat cars for show purposes, mining cars, ore cars, pile driver cars, phosphate cars, refrigerator cars, stock cars, tank cars, wrecking cars. Cable address, "Doswac," Mt. Vernon, Ill. Code, Western Union.

Moxie Nerve Food Company of New England, 69 Haverhill street, Boston, Mass. Branch factory at 63 Varick street, New York. Moxie Nerve Food.

H. A. Moyer, Wolf and Park streets, Syracuse, N. Y. Fine carriages.

J. S. Moyer & Co., Bethlehem, Pa. Works at Bangor, Pa. Roofing slate, mill stock, and all kinds of interior slate; school slates. Cable address, "Oldbangor," Bethlehem. Code, A B C Fourth edition.

H. Mueller Manufacturing Company, 512 West Cerro Gordo street, Decatur, Ill. Export office: 254-258 Canal street, New York. Water main tapping machines, water pressure regulators; brass stop, and stop and waste cocks; compression and fuller bibbs and cocks; brass water connections, check valves, branch lead goosenecks, sand screens and strainers; gas main tapping machines, gas cocks, lead gas meter connections, and water works, gas works and plumbers' tools. Jobbers of domestic waterworks systems, genuine wrought iron pipe, malleable and cast iron fittings, stop cock boxes, street washers and yard hydrants, brass nickel-plated bath room trimmings, steam valves, steam pressure regulators and water relief valves. Foreign agent for Continental Europe: Michael Kadar, 70 Wilhelm-strasse, Berlin. Cable address, "Mueller," Decatur, Ill. Code, Western Union.

The Mueller & Son Company, Milwaukee, Wis. Cigar and packing boxes.

The Muessel Brewing Company, South Bend, Ind. Lager beer.

Mullen Brothers Paper Company, St. Joseph, Mich. Building paper, paper specialties, wax lined paper butter dishes, paper fruit baskets.

W. H. Mullins, Salem, Ohio. Architectural sheet metal work, cornices, statuary, skylights, crestings, metal tile roofing, fire-proof metal win-

dows; galvanized steel row boats and launches; steel ceilings, steel siding; all made of sheet metal. Cable address, "Mullins," Salem, Ohio. Codes, Manufacturers' Export, A B C and Western Union.

Muncie Wheel and Jobbing Company, Muncie, Ind. Vehicle wheels and wheel material, hubs, spokes and rims.

S. L. Munson, 108 Hudson avenue, Albany, N. Y. Men's shirts, collars and cuffs, night robes and pajamas; women's shirt waists, collars and cuffs, aprons and flannelette night gowns.

Munson Bros. Company, Utica, N. Y. Grinding mills, water wheels, grist mills; general machinery, shafting, pulleys, gears, hangers, etc.; mill stones; gray iron castings; steel beams and girders for builders; cement, wood pulleys. Foreign agents: S. Howes Co., London; Sloan & Co., Paris. Cable address, "Munson," Utica. Codes, Lieber's and Western Union.

The Munson Steamship Line, 82-92 Beaver street, New York. Freight and passenger service from New York to all north side ports in Cuba. Freight and passenger service from Mobile to all ports in Cuba and Mexico. Over fifty steamers and special facilities for carrying freight from all ports in the United States to foreign ports. Over eighty agents in foreign countries. Cable address, "Idolwolf," New York. Codes, Watkins and A B C.

Murphy Chair Company, Harper avenue and Railway, Detroit, Mich. Chairs. Cable address, "Murchair," Detroit. Code, Western Union.

Murphy Varnish Company, Chestnut and McWhorter streets, Newark, N. J. Varnishes and colors in japan for railway equipment, carriage makers, piano, furniture and cabinet makers and house painters. Foreign agents; L. Walowsky, 96 Avenue Pereire, Asnières, France; H. S. Chipman, 54 Margaret street, Sydney. Cable address, "Murvarnish," Code, private.

Muskegon Valley Furniture Company, Muskegon, Mich. Beds, dressers, chiffoniers, toilet tables, cheval-mirrors, wardrobes, washstands.

Muskingum Valley Steel Company, Zanesville, Ohio. Sheet steel for general purposes, electrical sheets, 2-pass and 3-pass double annealed and cold rolled sheets, ferrule and agricultural sheets; corrugated, 2-V crimp, 3-V crimp, pressed standing seam and roll roofings; brick siding, weather-boarding and metal lath.

Myers Clay Manufacturing Company, Toronto, Ohio. Sewer pipe, fire brick and clay products.

F. E. Myers & Bro., Ashland, Ohio. Pumps: Myers hand and windmill pumps, power and spraying pumps; hay carriers, hay forks, pulleys, stay-on-door hangers, store ladders. Export agents: The Wm. C. Barker Co., B21 Produce Exchange building, New York. Cable address, "Glassvalve," New York. Codes, A B C and Lieber's.

Napier Iron Works, Nashville, Tenn. Pig iron.

Nashville Tobacco Works, corner Union and Walnut streets, Nashville, Tenn. Plug, twist and smoking tobaccos.

Nashville Woolen Mill Company, McNairy street and N. C. & St. L. R. R., Nashville, Tenn. Cotton warp cassimeres and Kentucky jeans.

National Candy Company, Granite block, St. Louis, Mo. Factories at St. Louis, Indianapolis, Cincinnati, Chicago, Buffalo, Detroit, Grand Rapids, Louisville, Memphis, Nashville, St. Paul and Minneapolis. Chocolate and confectionery. Cable address, "Pancon," Chicago. Codes, A B C and Universal.

National Carbon Company, Lock drawer "L," Cleveland, Ohio. New York office, St. Paul building. Electric light carbons for open and

enclosed arc lamps; carbon brushes for motors and generators; dry batteries (Columbia); wet or solution batteries; carbon electrodes; carbon battery plates, rods and specialties. Foreign agent: C. R. Heap, 47 Victoria street, Westminster, London, S. W. Cable address, "Carbon," Cleveland. Codes, Western Union, Lieber's and A B C.

National Cash Register Company, Dayton, Ohio. New York office, Broadway and Twenty-eighth street. Cash registers and autographic registering machines. Foreign sales agencies: Argentine Republic, Pratt & Co., Buenos Aires; Australia, National Cash Register Co., Sydney; Austria, National Cash Register Co., Ltd., Vienna; Belgium, Arthur Stuyck, 66 Avenue du Commerce, Antwerp; Brazil, P. H. Atkinson, 39 rua da Quitanda, Rio de Janeiro; British Honduras, Costa Rica, Guatemala, Honduras, Nicaragua and Salvador, José Ant. Lara, San José, Costa Rica; Burmah, Ceylon, Straits Settlements, Siam and the Dutch Indies, H. J. M. Ellis & Co., Singapore; North Chile and Bolivia, Lorenzo Petersen, Iquique; South Chile, M. R. S. Curphey, Esmeralda 39, Valparaiso; Cuba, Harris Bros. Co., Havana; Denmark, Emilius Moller, Kr. Bernikowsgade, Copenhagen; France, Sté. Anonyme La Nationale Caisse Enregistreuse, Paris; Germany, National Cash Register Co., Berlin; Great Britain, The National Cash Register Co., Ltd., London; Hawaiian Islands and Samoa, The J. A. M. Johnson Co., Ltd., Honolulu; Holland, C. H. Van Erk, Kalverstraat 189, Amsterdam; Italy, The National Cash Register Co., Ltd., Milan; Japan, Frank S. Clarke, Escolta 2, Manila, P. I.; Mexico, Mosler, Bowen & Cook, Succrs., Mexico City; New Zealand, Yerex, Barker & Finlay, Ltd., Wellington; Panama, Hicks Hawkins, San José, Costa Rica; Paraguay and Uruguay, Coates & Co., Montevideo; Philippine Islands, Metcalf A. Clarke, Escolta 2, Manila; Porto Rico, Dooley, Smith & Co., San Juan; Portugal, Carlos Corrêa da Silva, rua Serpa Pinto 24, Lisbon; Russia, T. I. Hagen Co., Moscow; South Africa, B. Bartholomew, P. O. Box 1377, Cape Town; Spain, C. W. Crous, En Blanch 3, Valencia; Sweden, Norway and Finland, N. E. Frykholm, Central Palatset, Stockholm. Cable address, "Allson," Dayton. Codes, Lieber's, A B C Fifth edition and private.

National Casket Company, 48 Great Jones street, New York. Works at Allegheny, Pa.; Oneida and Rochester, N. Y.; Hoboken, N. J.; Baltimore, Md.; Chicago, Ill., and Louisville, Ky. Coffins, caskets, coffin and casket hardware and metal trimmings, coffin and casket lining and pillows, robes, suits, dresses, wrappers, embalming boards and supplies, pedestals, catafalques, canopies and undertakers' supplies of every description. Jobbers of hearses, carriages, undertakers' wagons, embalming fluids, instruments and text books. Cable address, "Natcasco," New York. Code, A B C Fourth edition.

National Electric Company, Park place and the river, Milwaukee, Wis. New York office, 135 Broadway. Other branches in Philadelphia, Cleveland, Chicago and San Francisco. Air brakes for electric street cars; alternating and direct current electrical machinery in all sizes up to 3000 kilowatts. Foreign agents: R. W. Blackwell & Co., London; L'Industrie Internationale, Paris; Edge & Edge, Sydney. Cable address, "Ceco," Milwaukee. Codes, Lieber's and Western Union.

National Enameling and Stamping Company: Executive offices, 81-83 Fulton street, New York. Factories and salesrooms at St. Louis, Mo.; Granite City and Chicago, Ill.; Milwaukee, Wis.; Baltimore, Md.; Brooklyn, N. Y.; Berlin, L. I., N. Y.; Portland, Conn.; New Orleans, La.; Boston, Mass.; Philadelphia, Pa., and San Francisco, Cal. Royal Granite enameled steel ware; blue and white and all white enameled steel ware; tinware; galvanized iron and steel ware; japanned, nickeled,

copper and brass housefurnishing and metal goods; fly fans, stove pipes, elbows, kitchen sinks and related articles. Cable address, "Nescoware." Codes, Lieber's and A B C.

National Fire Proof Paint Corporation, 87 Franklin street, Chicago, Ill. Works at Joliet, Ill. Fire retarding paints for general outside and inside use, metal paints, fire proof liquid. Cable address, "Nafirpro," Chicago. Code, A 1.

National Fire Proofing Company, Bessemer building, Pittsburg, Pa. New York office, 170 Broadway. Works in the States of Pa., N. J., Mass., Ohio, Ind., Ill., and Conn. Clay products: porous terra cotta or dense tile, plain and ornamental building blocks; pressed, paving and hollow brick; conduits for telephone, telegraph or railway cables, and flue lining. Foreign agent: Jas. F. Cummings, Grand Hôtel d'Europe, St. Petersburg. Cable addresses: "Terracot," Pittsburg; "Keasbey," New York. Code, Western Union.

National Glass Company, 909 Bessemer building, Pittsburg, Pa. New York office, 25 West Broadway. Other branches in Boston, Philadelphia, Baltimore, Chicago, Denver, San Francisco, Los Angeles and St. Louis. Works in Dunkirk, Ind.; Cumberland, Md.; Jeannette, Rochester, and Indiana, Pa.; Wellsburg, W. Va., and Lancaster and Marietta, Ohio. Pressed tumblers, blown tumblers, cut tumblers, pressed stemware, blown stemware, pressed tableware; bar ware, blown and pressed; common and decorated lamps, gas and electric shades and stationers' glassware. Foreign branch in London (National Glass Co. of America), 109 Hatton Garden. Foreign agents: Tobe Blumenthal, Centro Mercantil building, Mexico City; Stacker & Co., Kaiser Wilhelmstrasse 46, Hamburg. Cable address, "National," Pittsburg. Codes, Western Union and A B C.

National Iron Company, West Duluth, Minn. Manufacturers of Corliss and slide valve engines, mine hoist and churn drill engines, safety mine cages and skips with automatic dumps, mine cars and other mining machinery. Hoisting engines for pile-driving or derrick work and for all other purposes. Saw mill and power transmitting machinery.

National Knitting Company, 889 Clinton street, Milwaukee, Wis. Manufacturers of knit wool gloves, mittens and hosiery. Cable address, "Natingco," Milwaukee.

National Licorice Company, 106 John street, Brooklyn, N. Y. Stick licorice and licorice pellets and lozenges, for chemists' and confectioners' uses; soft licorice in every form for confectioners' uses, powdered licorice extract, etc. Cable address, "Wyandess," Brooklyn. Code, Western Union.

The National Lock Washer Company, 65 Johnson street, Newark, N. J. Lock washers and nut locks for locking nuts on bolts; curtain fixtures, sash locks, sash balances and complete curtains for car windows. Cable address, "Washer," Newark. Code, Western Union.

National Machinery Company, Tiffin, Ohio. Bolt cutters, bolt pointers; nut tappers, nipple machines, turnbuckle tappers, cold bolt headers, rivet headers, heading and forging machines, upsetting machines, cold punched nut machines, hot pressed nut machines, nut facing machines, washer machines, shears, bulldozers, forming and bending machines, wire nail machines, spike machines, revolving forge furnaces, taps, special machinery. Foreign agents: Buck & Hickman, London; Fenwick Frères, Paris; A. V. Löwener, Stockholm. Cable address, "National," Tiffin, Ohio. Codes, Lieber's, Western Union and private.

The National Malleable Castings Company, Cleveland, Ohio. Works at Cleveland, Chicago, Indianapolis, Toledo, Ohio, and Sharon, Pa. Chi-

cago offices, 309-311 Railway Exchange. Makers of malleable iron castings for agricultural implements and railway equipment, and of the Tower and Climax car couplers.

National Meter Company, 84 Chambers street, New York. Water meters and gas engines.

National Novelty Corporation, 826 Broadway, New York. Twenty-two branch factories in various states. Hardware specialties of wood and iron, juvenile goods, toys and novelties, tool chests, hand and bench screws; platform gates for street, elevated and steam cars. Cable address, "Nanovcorp," New York. Code, Western Union.

The National Pipe Bending Company, 179 Lloyd street, New Haven, Conn. Feed-water heaters; stoves and furnaces for hot-water heating; iron, brass and copper coils and bends. Cable address, "Coilheater," New Haven. Codes, Western Union and Atlantic Directory.

National Remedy Company, 532 Washington street, New York. Proprietary medicines. Cable address, "Natrem," New York. Codes, A B C and Lieber's.

National Screw and Tack Company, Cleveland, Ohio. Wood screws, machine screws, stove bolts, tire bolts, carriage bolts, machine bolts, coach screws, hanger bolts and special styles of screws and bolts.

National Sewing Machine Company, Belvidere, Ill. New York office, 93 Reade street. Sewing machines and bicycles. Foreign agents: Pacific Trading Company, Sydney; South British Trading Company, London; Sargood Son & Ewen, Auckland, Christchurch, Wellington and Dunedin; Albert Gaidot, Paris; Garcia & Co., Brussels; Holcombe & Co., Amsterdam; L. B. Kerr Co., Honolulu; Dooley, Smith & Co., San Juan, Porto Rico; Forn Hermanos, Buenos Aires; Alberto Petterson, Orizaba, Mex.; Alvarez, Cernuda & Co., Havana; Axel Hansen Möller, Copenhagen; C. B. Neilson, Johannesburg. Cable address, "Natsewmach," Chicago. Codes, Lieber's and A B C Fourth edition.

The National Sugar Refining Company of New Jersey, 109 Wall street, New York. Refined sugars and syrups.

National Sweeper Company, Marion, Ind. New York representative: Chas. B. Corwin, 17 Whitehall street. Carpet sweepers. Foreign agent: Maurice Somborn, Hotel Metropole, London. Cable address, "National," Marion. Code, Western Union.

The National Tile Company: Eastern department, Trenton, N. J.; Western department, Anderson, Ind. Works also at Morrisville, Pa. New York store and warehouse, 35 West Nineteenth street. Unglazed floor tile for floors and vestibules of all kinds; enameled tile for hearths and wainscoting; vitreous and inlaid floor tile; ceramic mosaic floor tile, papered or in bulk; unglazed rock face; enamels, plain and decorated, dull or velvet finish; terra vitrea, lusters, white wall tile, wainscoting, shapes, caps, bases, etc.; embossed and art tiles, decorated with gold and colors. Cable address, "Columbia," Anderson. Code, A B C.

National Tube Company, Frick building, Pittsburg, Pa. Manufacturers of all varieties of tubular goods from ⅛ to 30 inches in diameter, both wrought iron and steel, for conveying steam, gas, air, water and other liquids, and various sorts of pipe for structural purposes. Pipe fitted with flanges of all descriptions, bonds, etc. Cylinders made by welding (a seamless process) in various capacities for carbonic acid gas, anhydrous ammonia, acetylene and all commercial purposes. Boiler tubes, both lap weld and seamless, for stationery and marine boilers; locomotive boiler tubes and special grade seamless round and square tubing. Forgings, etc., for bicycle and automobile purposes. General export representatives: United Steel Products Export Co., Battery Park building, New York, and 71-72 King William street, London.

The National-Acme Manufacturing Company, Stanton and Judson streets, Cleveland, Ohio. New York office, 220 Broadway. Also branch offices in Philadelphia, Boston and Chicago. Multiple spindle automatic screw machines, semi-automatic screw slotting machines. Set screws and cap screws. Milled product of every description. General foreign representatives: Schuchardt & Schütte, New York, Berlin, Cologne, Vienna, Paris, Brussels, Stockholm, St. Petersburg, Bilbao, Madrid and Milan. Cable address, "Namco," Cleveland. Codes, Lieber's, Western Union and Atlantic Directory.

The National and Providence Worsted Mills, 166 Valley street, Providence, R. I. Worsted and woolen goods for men's wear.

Nazareth Waist Company, Nazareth, Pa. Nazareth waists for boys and girls. Cable address, "Schneebeli," New York.

Needham Piano and Organ Company, 110-112 Fifth avenue, New York. Factory in New Jersey. Needham pianos and organs, Needham Paragon piano player. Foreign agents: Henry Ambridge & Sons, London; Ludwig Ullmann, Berlin-Gross-Lichterfelde W., 12 Momsenstrasse. Cable address, "Pragmatic," New York. Code, A B C Fifth edition.

The Charles Nelson Company, 6 California street, San Francisco, Cal. Mills on Humboldt Bay, Cal.; Grays Harbor and Puget Sound, Wash. Douglas fir (Oregon pine) and California redwood lumber. Cable address, "Tyson," San Francisco. Codes, A 1, A B C Fourth and Fifth editions, Watkins', Western Union, Commercial, Lieber's, Lumberman's Standard, Pacific Coast Lumberman's, American Lumberman Telecode and private.

Nelson-Matter Furniture Company, Grand Rapids, Mich. Bedroom and dining-room furniture. Foreign agents: W. E. Peck & Co., New York. Cable address, "Barnhart," Grand Rapids.

A. E. Nettleton, 203 East Willow street, Syracuse, N. Y. Men's shoes of fine grades only. Cable address, "Poleghonic," Syracuse. Code, Western Union.

The R. Neumann Hardware Company, 9-17 St. Francis street, Newark, N. J. Trimmings for traveling bags, trunks, cases, etc.; metal novelties.

W. C. Nevin & Co., 1641 Blake street, Denver, Col. Confectionery.

New Albany Hosiery Mills, New Albany, Ind. Woolen hosiery.

The New Britain Machine Company, New Britain, Conn. Wood-working machinery, particularly the chain saw mortiser; the "Case" automatic high speed steam engines, 2½ to 25 H.P.; band saw tools—equal blow setting machine, self-acting filing vise and Pineo band saw guide; shop furniture such as tool racks, lathe pans, lathe racks, soda feeders, steel stock racks, metal shelving, etc. Foreign agents: Schuchardt & Schütte, Berlin, Cologne, Stockholm, St. Petersburg, Brussels, etc.; J. B. Stone & Co., London; Larry & Co., Wellington; H. P. Gregory & Co., Sydney. Cable address, "Engine," New Britain. Codes, A B C Fifth edition, Lieber's and Atlantic Directory.

New Castle Bridge Company, 601 Beecher street, Indianapolis, Ind. Steel bridges and structural steel work.

The New Departure Manufacturing Company, Bristol, Conn. Door, tea, office, car, fire and bicycle bells; cyclometers, coaster brakes and lubricant; plumbers' brass goods, such as compression and plain bibbs; racking, bottling and liquor cocks; wash tray bibbs, stop and waste cocks, etc. Foreign agents: John H. Graham & Co., New York, London and Copenhagen. Cable addresses: "Grahams," New York, and "Departure," Bristol. Code, Lieber's.

New England Butt Company, 304 Pearl street, Providence, R. I. Braiding and insulated wire machinery. Foreign agents: Selig, Sonnenthal &

Co., London. Cable address, "Buttco," Providence. Codes, Lieber's and Western Union.

New England Confectionery Company, 253 Summer street, Boston, Mass. Confectionery.

New England Furniture Company, Grand Rapids, Mich. Dining room furniture: sideboards, buffets, china closets and combinations.

New England Structural Company, Everett, Mass. Structural steel work of all kinds; buildings and bridges.

The New England Watch Company, Waterbury, Conn. New York office, 37-39 Maiden Lane. Watches. Foreign agents: Jerome & Co., 7 Snow Hill, London. Cable address, "Endshake," Waterbury. Codes, Lieber's and Western Union.

New Era Manufacturing Company, Kalamazoo, Mich. Metallic Phosphoro (an improved kind of phosphor tin), Babbitt metals, Nickelumen and aluminized zinc. Export agent: N. Joachimson, 6 Hanover street, New York. Eastern agents: Richards & Co., Inc., 60 Union street, Boston; Rider & Cotton, Portsmouth, N. H. Foreign branches: Hamburg, London, Manchester, Lyons, Milan. Agencies: Dutch West Indies, China, Japan, Straits Settlements, Siam, Ceylon, India, Manila, Australia, New Zealand, South Africa, South America. Cable address, "Newera," Kalamazoo. Code, Western Union.

The New Haven Carriage Company, New Haven, Conn. Carriages and automobiles; bodies; bodies ironed, trimmed and painted for automobiles; automobile wheels.

New Haven Manufacturing Company, 50 Whitney avenue, New Haven, Conn. Iron-working machine tools; engine lathes, pattern-makers' lathes, pulley boring and turning lathes, iron planers, slotting machines, drilling machines, friction and clutch pulleys, planer and lathe chucks; friction clutches, bolt cutters and shaping machines. Foreign agents: John Tragarth, Gothenburg; W. Sonesson & Co., Malmö; Buck & Hickman, London; G. Koeppen & Co., Moscow; Adler and Eisenschitz, Milan. Cable address, "Lathe," New Haven. Codes, Lieber's and private.

New Jersey Car Spring and Rubber Company, Wayne and Brunswick streets, Jersey City, N. J. Rubber goods for mechanical purposes; linen and cotton fire hose. Cable address, "Carpringco," Jersey City. Code, Western Union.

New Jersey School-Church Furniture Company, Trenton, N. J. School and church furniture; school desks, folding chairs, etc. Cable address, "Seating." Code, Western Union.

The New Jersey Wire Cloth Company, Trenton, N. J. Wire cloth, wire netting and wire fabrics. Export agent: The John A. Roebling's Sons Co., 117 Liberty street, New York.

New Jersey Zinc Company, 71 Broadway, New York. Works at Newark, N. J. Oxide of zinc, spelter, spiegeleisen and sulphuric acid. Code, private.

New Orleans Railway Company, 317 Barrone street, New Orleans, La. Gas and electricity for commercial and municipal lighting. Operate all the street railways of New Orleans.

New York Central Iron Works Company, Geneva, N. Y. New York office, 150 Nassau street. Dunning boilers for steam and hot water heating, portable and brick set styles, all steel construction; vertical and horizontal tubular boilers; steel or iron tanks, black and galvanized. Jobbers of radiators, and valves of all kinds. Cable address, "Dunning," Geneva, N. Y. Codes, private, A 1, Atlantic Directory and Western Union.

The New York Continental Jewell Filtration Company, 15 Broad street, New York, and 40 West Quincy street, Chicago, Ill. Filters and filter apparatus. Jobbers of pumps, engines, boilers and water works supplies. Foreign agents: Jewell Export Filter Co., York, Eng., Berlin, Moscow, Trieste, Austria, and Alexandria, Egypt. Cable address, "Laystall," New York. Codes, Western Union, A 1, A B C, Anglo-American and Lieber's.

New York Dimension Supply Company, 1 Madison avenue, New York. Factory at Evansville, Ind. Manufacturers of plumbers' wood work, seats, tanks, wood mantels, tables and furniture in general, knocked-down, in the white ready for the varnish.

New York Leather Belting Company, 8 Ferry street, New York. Factory at Brooklyn, N. Y. Branch at 38 South Canal street, Chicago. Oak bark tanned leather belting, rawhide lace leather, tanned lace leather; round belting, solid and twist; Victor Balata belting, Phoenix bar belt dressing; strap halters, bridles, hame straps, cowbell straps, leather hame straps and strings, rawhide hame straps and strings; also Victor belt dressing, and Victor belt cement. Foreign agents: Charles Churchill & Co., Ltd., London; Danco Erben, Dortmund. Cable address, "Pinzote," New York. Code, Western Union.

The New York Mills, New York Mills, Oneida county, N. Y. Shirtings, sheetings, camlets, corduroys and velveteens.

New York Shipbuilding Company, Broadway and Fairview streets, Camden, N. J. New York office, 1 Broadway. Steel ships; marine boilers and marine engines. Cable address, "Fairview," Camden. Codes, A B C and A 1.

New York Stamping Company, North Eleventh and Berry streets, Brooklyn, N. Y. "Acme" fry pans, curry combs, steel spiders and griddles, stove shovels, garden trowels; also brass and copper chafing dishes, table kettles, tea trays, etc.

Newark Embroidering Works, 78 Shipman street, Newark, N. J. Embroideries and handkerchiefs. Cable address, "Bornemann," Newark. Code, Western Union.

The Newark Machine Company, Newark, Ohio. Victor clover huller, Miller clover huller feeder, Nethery wind stacker, Miller manure pulverizer and spreader. Foreign agents: Schutt & Ahrens, Stettin, Germany, for hullers, and W. T. Green & Co., Birmingham, England, for spreaders. Cable address, "Newarkmaco," Newark, Ohio. Code, Western Union.

Newark Rivet Works, 262 Lafayette street, Newark, N. J. Rivets and sheet metal goods.

R. S. Newbold & Son Company, Norristown, Pa. Rolling mill, blast furnace and general machinery; boilers, tanks, stacks and general boiler work.

George M. Newhall Engineering Company, Ltd., 136 South Fourth street, Philadelphia, Pa. Makers of special apparatus for the manufacture of sugar, wood-pulp and paper, and engineers for the construction of complete manufacturing plants, sugar refineries and factories, paper and pulp mills, power plants, etc. Cable address, "Palmer," Philadelphia. Codes, Western Union and A B C.

Newman Brothers Company, Chicago avenue and Dix street, Chicago, Ill. Pianos and organs. Foreign agents: A. Smith & Sons, Manchester; Robert Cocks & Co., London; S. M. Redhouse, Strydvlakte, South Africa; H. P. Steenhuis, Gronengen, Holland. Cable address, "New-organs," Chicago.

The Newton-Rotherick Manufacturing Company, 334 Superior street, Toledo, Ohio. "Bull Frog" brand carbon paper and typewriter ribbons. Jobbers of stationery, office devices and office supplies. Foreign agents: American Brokerage Co., Ltd., Honolulu; Rayward Brothers, London.

The Niagara Clip Company, 37 Park street, New York. Niagara paper clips, Hunt steel flexible rulers, Ritefast note book holder, Hayne suspended ink wells, Niagara round pointed pens, Chicago desk telephone holder, Hotchkiss automatic paper fasteners, Hotchkiss staples and other office specialties. Cable address, "Niagara," New York. Code, Western Union.

The Niagara Falls Power Company, Buffalo avenue, Niagara Falls, N. Y. New York office, Mills building, 15 Broad street. Operates and sells 100,000 H. P. electrical power from turbines operated by 140 ft. head, difference in levels of Niagara river. Owns about 1,200 acres of land fronting Niagara river in Niagara Falls, on which various large factories and chemical works have been located, using power there generated. These factories are all connected by terminal switching road controlled by Power Company. Cable address, "Poikilite," Niagara Falls. Code, A B C.

Niagara Fire Extinguisher Company, Akron, Ohio. Manufacturers of and contractors for automatic sprinklers, automatic dry pipe valves, automatic wet alarm valves, fittings, hangers and all specialties pertaining to automatic sprinkler installation. Jobbers of pipe, fittings, valves, fire pumps, tanks, etc.

Niagara Machine and Tool Works, Jefferson and Superior streets, Buffalo, N. Y. Tools and machines for working sheet metals; tinners' tools, automatic and other; can making machinery, presses, cutting and stamping dies, lever punches and shears, shearing machines, forming and bending rolls, punching and shearing machinery. Cable address, "Stamping," Buffalo. Code, A B C.

Niagara Paper Mills, Lockport, N. Y. Cover papers and special colored papers of high grade. Cable address, "Niagara," Lockport. Codes, Western Union and Atlantic Directory.

Eugene E. Nice, 272 South Second street, Philadelphia, Pa. Varnishes for general interior and exterior work and for coach, car and vessel work; liquid wood fillers, paste fillers, japans, oil dryers, shellacs, floor wax, black baking japans, black iron varnishes and enamels, mixed house paints, barn paints, wagon paints, floor and deck paints, graphite paints, machine paints, iron paints, wood stains, enamels, shingle stains, paste paints, oil colors, japan colors, distemper colors, white leads, red lead, white zincs, copper paint and cement paint for ships and ship bottoms, first coat or rough stuff for coach and car work, "No Dust" floor preparation. Cable address, "Nice," Philadelphia. Codes, Lieber's and Western Union.

The Nicholson File Company, Providence, R. I. Works at Providence and Pawtucket, R. I.; Paterson, N. J.; Anderson, Ind.; Beaver Falls, Pa.; Kent, Ohio, and Port Hope, Ontario. Files, rasps, filers' tools and specialties. Cable address, "Nicholson," Providence. All regular cable codes used.

The Nicola Building Company, Farmers' Bank building, Pittsburg, Pa. Works at Vandergrift, South Sharon, Braddock, New Kensington and Homestead, Pa. Contractors and builders of all kinds of houses, warehouses and business blocks (coal miners' houses in large quantities a specialty).

The Nigh Lumber Company, Ironton, Ohio. Poplar, walnut, ash, oak and Lynn lumber. Cable address, "Nigh," Ironton.

The Niles-Bement-Pond Company, 136 Liberty street, New York. Boring mills, planers, lathes, drills, slotting machines, radial drills, ratchet drills, dies, taps, reamers, electric traveling cranes; hydraulic presses and bending rolls. Foreign agents: Niles-Bement-Pond Co., 23 Victoria street, London, S. W.; Fenwick Frères & Cie, 21 Rue Martel, Paris; Schuchardt & Schütte, Berlin; Aktiebolaget V. Löwener, Stockholm; F. W. Horne, 70 C, Yokohama. Cable address, "Nilesco." Code, Lieber's.

The A. H. Nilson Machine Company, Bridgeport, Conn. Automatic machines, such as coat and hat hook, hook and eye, gate hook, sash chain, screw eye, thread rolling, four-slide, piano action and spring machines; automatic wire straightening and cutting off machines and special presses.

Ludwig Nissen & Co., 182 Broadway, New York. High class diamond jewelry. Cable address, "Nissenco," New York. Code, Western Union.

The Martin & William H. Nixon Paper Company, 229 Drexel building, Philadelphia, Pa. Book paper, supercalendered and machine finish.

The Nolde & Horst Company, Reading, Pa. New York office, 78 Franklin street. Cotton hosiery.

The Nollau & Wolff Manufacturing Company, 35 Fullerton avenue, Chicago, Ill. General mill work and interior finish.

The Nonpareil Cork Manufacturing Company, 80 Hudson street, New York. Branches in Philadelphia, Boston, New Orleans, Chicago and San Francisco. Works at Camden, N. J. Sheet cork insulation for cold storage and ice making plants; sectional cork coverings for steam, water, brine and ammonia pipes; boiler cements; cork floors, wainscots and ceilings; roofing and roofing paints, waterproof cement and cork specialties. Foreign agent: James F. Butterworth, 28 Queen street, London, E. C. Cable address, "Stondur," New York. Codes, A B C Fourth and Fifth editions and Western Union.

Nordyke & Marmon Company, 1141 West Morris street, Indianapolis, Ind. Flour mill engineers, founders and machinists (established 1851). Wheat and maize milling machinery and mill supplies of all kinds: roller mills and French buhr stone mills for all cereals; degerminators, dryers and other machines for the manufacture of hominy, grits, pearl and cream meal, corn flour and brewers' and distillers' corn goods; flour dressers, gyratory sieve bolters; sieve purifiers, return air purifiers, bran dusters, dust collectors, flour packers, bran packers, cottonseed hull packers, corn shellers and cleaners, grain cleaners, starch and rice mill machinery, elevators; shafting, couplings, collars, bearings, pulleys, tighteners, gearing, rope drives and general line of power connections; automobiles. Foreign agents: Andrews & George, Yokohama; Jno. McKell, Timpson st., Port Adelaide, South Australia; Strong & Trowbridge Co., Constantinople and Cairo; Williamson, Balfour & Co., Valparaiso, Santiago and Concepcion, Chile; Johnston & De Rivas, P. O. Box 2394, Mexico City. Cable address, "Nordyke," Indianapolis. Codes, A B C Fourth edition, Lieber's and Western Union.

Norfolk Woolen Company, Franklin, Mass. Mills at Norfolk, Unionville and Bellingham, Mass. Wool shoddies for home trade; horse blankets for home or export.

The Norris & Christian Stone and Lime Company, Marion, Ohio. Lime; crushed stone for railroad ballast, concrete, street improvements, pikes, etc., and building stone. Jobbers of cement, plaster, hair and all kinds of builders' supplies.

The North Baltimore Bottle Glass Company, Terre Haute, Ind. Beer, soda water and mineral water bottles.

North Brothers Manufacturing Company, Lehigh avenue and American street, Philadelphia, Pa. New York office: John H. Graham & Co., 113 Chambers street. Ice cream freezers; ice chippers, breakers and shaves; tobacco shaves and cutters, fluting machines, Christmas tree holders, ratchet and spiral screwdrivers, automatic hand drills. Foreign agents: Hammacher, Delius & Co., Hamburg and New York; Markt & Co., Hamburg, London, Paris and New York; John G. Rollins & Co., London and New York; Rotherham, Wood & Co., Melbourne. Cable address, "Northbros," Philadelphia. Codes, A B C Fourth edition and Lieber's.

The North Electric Company, 150 St. Clair street, Cleveland, Ohio. Telephone exchange equipment, embracing telephones, switchboards and protectors for magneto or common battery work, power and cross connecting boards for telephone exchange. Jobbers of construction material and tools of every description for a telephone plant. Foreign agent: Ernesto Thomas, Santiago, Chile. Cable address, "Northphone," Cleveland. Codes, Lieber's, A B C and Western Union.

Northampton Cutlery Company, Northampton, Mass. New York office, 127 Duane street. Table cutlery, carver knives and forks; butcher, sticking, skinning, putty and scraping knives.

Northern Electrical Manufacturing Company, Madison, Wis. Direct current generators, direct current motors, electric rock drills, electric hammers, single voltage variable speed motors. Foreign agents: Electrical Manufacturers' Export Company, 29 Broadway, New York; Victor M. Braschi, Mexico City. Cable address, "Northelect." Codes, Western Union and private.

Northern Engineering Works, Chene, Atwater and Guoin streets, Detroit, Mich. New York office, 120 Liberty street. Also branches in Pittsburg, Chicago, Cleveland, Buffalo, St. Louis, Denver and San Francisco. Cranes (electric, pneumatic, steam or hand power), derricks, freight elevators, hoists (electric and compressed air); foundry ladles, tumblers, cupolas, trucks and turntables for industrial railways. Foreign agents: C. W. Burton, Griffiths & Co., London; Fenwick Frères, Paris. Cable address, "Newcrane," Detroit. Codes, Lieber's and private.

Northern Tissue Paper Mills, Green Bay, Wis. Office also at Milwaukee, Wis. Toilet paper, tissue and light weight specialties.

The Northwestern Casket Company, Minneapolis, Minn. Manufacturers of caskets, robes and linings, hearses, ambulances and wagons. Jobbers of casket hardware, metallic caskets and undertakers' specialties. Cable address, "Casco," Minneapolis. Code, Western Union.

The Northwestern Consolidated Milling Company, Minneapolis, Minn. Flour and feed. Foreign agents: Pillman & Phillips, London, Bristol and Liverpool; T. S. Medill & Sons, London; R. Hunter Craig & Co., Ltd., Liverpool and London; William Kingsford & Son, London; Peter Rintoul, Son & Co., Glasgow; J. R. Lamb, Glasgow; Hugo Knoblauch, Leith; J. & R. Roulston, Londonderry; Robert Graham, Sligo; Justesen Bros., Copenhagen; Mathieu Luchsinger & Co., Amsterdam. Codes, Riverside and Western Union.

Northwestern Lumber Company, Eau Claire, Wis. Mills at Eau Claire and Stanley, Wis. Pine, hemlock and hardwood lumber, lath and shingles.

North-Western Malleable Iron Company, Milwaukee, Wis. Malleable iron castings.

The Northwestern Terra Cotta Company, 1000 Clybourn avenue, Chicago, Ill. Architectural terra cotta.

Northwestern Yeast Company, 889 North Ashland avenue, Chicago, Ill. Yeast cakes (dry hop form). Cable address, "Magic," Chicago. Codes, A B C and Western Union.

Norton Emery Wheel Company, Worcester, Mass. New York office, 39 John street. Alundum, corundum and emery wheels; emery wheel machinery; India oil stones; dry rubbing and sharpening stones; Universal tool and cutter grinders; Bath machine indicator; emery wheel dressers and cutters. Foreign agents: Buck & Hickman, London; Charles Churchill & Co., London, Birmingham, Manchester, Glasgow, Newcastle-on-Tyne; Schuchardt & Schütte, Berlin, Vienna, Stockholm, St. Petersburg; A. H. Schütte, Cologne, Brussels, Paris, Bilbao, Liège, Milan; F. W. Horne, Yokohama. Cable address, "Emwheel," Worcester. Codes, A B C, Lieber's and Western Union.

Norton Iron Works, Ashland, Ky. Steel cut and wire nails, polished and galvanized wire staples, annealed and galvanized wire, galvanized barbed wire, galvanized cable wire, painted barbed and painted cable wire, steel tack plate. Cable address, "Norton," Ashland. Code, Adams Cable Codex.

The Norwalk Iron Works Company, South Norwalk, Conn. Air and gas compressors. Cable address, "Ironworks," South Norwalk. Code, Lieber's.

Nulsen, Klein & Krausse Manufacturing Company, Sidney street and Levee, St. Louis, Mo. Barytes and whiting.

F. C. Nunemacher, 436 West Main street, Louisville, Ky. Railway tickets, tariffs, time cards, and all other classes of railway printing. Engraved work for the trade, on steel and copper, for bonds, certificates of stock, etc. Jobbers of conductors' punches, dating stamps, ticket cases and similar light railway supplies. Cable address, "Nunemacher," Louisville. Code, private.

William F. Nye, New Bedford, Mass. Sewing machine, bicycle and gun oils; watch, clock, chronometer and typewriter oils; oils of all kinds for fine machinery, dental and electrical instruments, fishing tackle, music boxes, gun locks and phonographs; oils for cylinders, engines, dynamos, spindles, looms, axles and machinery; also sperm, whale and fish oils· gun grease. Foreign agent: Wincycle Trading Company, London. Cable address, "Billnye," New Bedford. Codes, Western Union and Atlantic Directory.

The A. T. Nye & Son Company, Marietta, Ohio. Stoves and ranges—steel and cast iron ranges, steel and cast iron cooking stoves, soft coal heating stoves.

Nye & Tredick Company, 606 Arch street, Philadelphia, Pa. Rib knitting machinery. Cable address, "Nyetredick," Philadelphia. Code, Lieber's.

The Ober Manufacturing Company, Chagrin Falls, Ohio. Sad irons, sad iron handles, cast hammers, cast hatchets; handle lathes, spoke lathes, variety lathes, shapers, wood working machinery. Cable address, "Oberco," New York. Codes, Lieber's and Western Union.

The O'Brien Varnish Company, South Bend, Ind. Varnishes: natural wood finishes, japans, lacquers, asphaltums, dryers, enamels, linseed oil, oil cake, etc. Cable address, "O'Brien," South Bend. Codes, A B C and Riverside.

Odell Manufacturing Company, Concord, N. C. Plaids 25 inches wide, domets 27 and 28 inches, ginghams 26 inches, gray goods from 30 to 40 inches.

The Ohio Brass Company, Mansfield, Ohio. New York office, N. M. Garland, manager, 136 Liberty street. Electric railway construction

material and supplies; valves and fittings of all kinds for steam, gas and water; Saddlery Hardware. Foreign agents: Canadian General Electric Co., Ltd., Toronto; E. H. Cadiot & Co., Paris; Lambert & Ralli, Alexandria; The British Electric Equipment Co., London; Gibson, Battle & Co., Sydney; Mortlock Bros., Perth, West Australia; Società Italiana per la Trazione Elettrica, Milan; H. W. K. Irvine, Barcelona; Louis Baillon & Co., Brussels. Cable address, "Electric," Mansfield. Codes, A B C Fourth edition and Lieber's.

The Ohio Brass and Iron Manufacturing Company, 1201 Franklin avenue, Cleveland, Ohio. Plumbers' high grade brass goods: basin traps—stop and waste—, lavatory legs and brackets. Export agents: Markt & Co., New York.

The Ohio Cooperage Company, Cleveland, Ohio. Boxes and barrels, box shooks; cooperage stock, staves, heading and hoops.

The Ohio Cultivator Company, Bellevue, Ohio. Sulky and walking cultivators, disk and steel lever harrows, land rollers and pulverizers, corn huskers and hay presses; 5, 7 and 9-tooth cultivators; double and single shovel plows, 14-tooth harrows. Foreign agents: Shelby & Co., Ltd., London. Cable address, "Famous," Bellevue, Ohio. Code, Western Union.

The Ohio Foundry Company, Steubenville, Ohio. Founders: coal and gas grates and fire place trimmings.

The Ohio Suspender Company, Mansfield, Ohio. Suspenders and men's garters. Jobbers of French Guyot suspenders and elastic webbings.

The Ohio Valley Pulley Works, Inc., Maysville, Ky. "Limestone" wood split pulleys. Cable address, "Limestone," Maysville. Codes, A B C and Western Union.

Oil Well Supply Company, Pittsburg, Pa. New York office, 26 Cortlandt street. Artesian well supplies; make everything necessary to drill for oil, natural gas or water, and to operate same after completion —refineries, pipe lines, tanks, etc. Cable address, "Eaton," Pittsburg. Codes, A 1, A B C, Lieber's and private.

Old Colony Hat Company, Fall River, Mass. Fur hats (both stiff and soft), hatters' fur. Cable address, "Colony," Fall River. Codes, Lieber's and A B C.

Olds Motor Works, 1308 Jefferson avenue, Detroit, Mich. Factories at Detroit and Lansing, Mich. Gasoline automobiles. Foreign representatives: New York Export & Import Co., New York, for Asia Minor, India and the Far East; Wm. E. Peck & Co., New York, general export agents for Europe, Africa, South America and Australasia. Cable address, "Oldsmotor," Detroit. Codes, Western Union, A B C Fourth and Fifth editions, Lieber's and Atlantic Directory.

Olds Wagon Works, Fort Wayne, Ind. Wagons, lawn swings and shoveling boards.

Arthur J. O'Leary & Son Company, Lake and Des Plaines streets, Chicago, Ill. Vises, flanges, stone and bridge jacks, well and quarry tools, railway supplies, bolts, rods, turnbuckles, boiler-makers' supplies, nuts, chain, crowbars, chain tongs and forgings. Cable address, "Oleary," Chicago. Code, Western Union.

Oliver Bros. Company, Lockport, N. Y. Brass and iron bedsteads. Cable address, "Oliver," Lockport.

Oliver Chilled Plow Works, South Bend, Ind. Chilled and steel walking and riding plows. Cable address, "Oliver," South Bend. Codes, A 1, Abecedary and International.

Oliver Iron and Steel Company, Tenth and Muriel streets, Pittsburg, Pa. Bolts of all descriptions; telegraph pole equipments; railway picks;

nuts and washers, harrow teeth, wagon iron hardware, and steel and iron bars. Cable address, "Oliver," Pittsburg. Codes, Western Union and A B C.

Wm. J. Oliver Manufacturing Company, Dale avenue, Knoxville, Tenn. Contractors' outfits, steel cars, light locomotives, hoists, etc. Jobbers of contractors' supplies. Cable address, "Scottcar," Knoxville. Code, Western Union.

The Oliver Typewriter Company, Wabash avenue and Monroe street, Chicago, Ill. New York office, 310 Broadway. Oliver typewriters. Jobbers of typewriter supplies of all kinds—ribbons, carbons, papers—, cabinets, desks, chairs, etc. Foreign agents: The Oliver Typewriter Co., Ltd., London. Cable address, "Typol," Chicago. Codes, Western Union, International and Adams Tenth edition.

Oneita Knitting Mills, Utica, N. Y. Export office, 350-352 Broadway, New York. Balbriggan and fleece lined underwear, Oneita combination suits.

The Onondaga Pottery Company, 1856 West Fayette street, Syracuse, N. Y. Plain and decorated table china for domestic and hotel service.

Ontario Silver Company, Muncie, Ind. Silver plated flatware and table cutlery; solid nickel silver flatware, consisting of knives, forks and spoons in solid nickel silver and plated goods; knife, fork and spoon blanks. Cable address, "Ontario," Muncie. Code, Western Union.

Ontario Spinning Company, 115 South Fourth street, Philadelphia, Pa. Mills at 1729 Philip street, Philadelphia. Cotton hosiery yarns.

Oppenheimer, Seasongood & Co., 314-316 Elm street, Cincinnati, Ohio. Clothing for men, boys and children.

John S. Oram, Coe and Hamilton streets, Cleveland, Ohio. Stave, heading and barrel machinery. Cable address, "Oram," Cleveland. Codes, Lieber's, Western Union and Adams Cable Codex.

The Orford Copper Company, 43 Exchange place, New York. Works at Constable Hook, N. J. Nickel and copper. Foreign agents: Henry R. Merton & Co., Ltd., London; Metallgesellschaft, Frankfort o/M. Cable address, "Quebath," New York. Codes, regular standards.

Oriel Cabinet Company, Grand Rapids, Mich. Large line of fancy furniture.

John C. Orr & Co., Java and West streets, Brooklyn, N. Y. Mouldings, trim, dressed and rough lumber.

Owen Osborne, Fourth and Somerset streets, Philadelphia, Pa. Infants' Australian wool hose, having silk tips in heels and toes; sizes 4, 4½, 5, 5½ and 6; English sizes, Nos 1, 2, 3, 4 and 5.

Osgood Scale Company, Binghamton, N. Y. New York office, 55 Warren street. Standard scales and weighing machines of all kinds—wagon and stock, portable platform, dormant warehouse, grocers' and butchers' scales. Cable address, "Osgood," Binghamton. Codes, A B C, Western Union and Lieber's.

Ostrander Fire Brick Company, 309 Second street, Troy, N. Y. New York office, 417 West Fourteenth street. Fire brick of all kinds; fire clay, crude and ground. Cable address, "Ostrander," Troy.

Otis Elevator Company, 17 Battery place, New York. Hydraulic, electric, steam and belt-power elevators; also hoisting engines for blast furnaces and mines. Foreign agents: Otis Elevator Company, Ltd., London, for Europe, South Africa, China, Japan and India; Splatt, Wall & Co., Perth, for West Australia; South American Electric Company, Ltd., Buenos Aires, for Argentine Republic, Brazil, Uruguay and

Paraguay; Spencer & Waters, Santiago and Valparaiso, for Chile; Compañia Mexicana de Electricidad, S. A., Mexico City, for Mexico. Cable address, "Lyndentree," New York. Code, A B C.

The Otis Steel Company, Ltd., Cleveland, Ohio. Steel plates, steel castings and steel forgings. Cable address, "Steelyard," Cleveland. Code, A B C Fifth edition.

L. W. Ott Manufacturing Company, Morris street and Capitol avenue, Indianapolis, Ind. Leather upholstered furniture, Davenports and couches. Cable address, "Ottco," Indianapolis. Code, Manufacturers' Export.

The Otto Gas Engine Works, Thirty-third and Walnut streets, Philadelphia, Pa. New York office, 120 Liberty street. Other branches in Chicago, Boston, Pittsburg, New Orleans, Minneapolis, Indianapolis, Omaha, Kansas City, Detroit, St. Louis and San Francisco. Gas engines, stationary; gasoline engines, stationary, portable, traction, marine, hoisting and pumping; gas producers. Cable address, "Ottoworks," Philadelphia. Codes, A B C and Western Union.

The J. B. Owens Pottery Company, Zanesville, Ohio. Jardinieres, art vases, umbrella stands, and a vast variety of fancy articles.

Owosso Manufacturing Company, Owosso, Mich. Door screens, extension window screens and window screen frames; snow shovels. Foreign agents: J. P. Richardson & Co., Melbourne. Cable address, "Bentley," Owosso. Code, Western Union.

Pacific Coast Biscuit Company, Portland, Ore. Factories at Portland, Ore.; Tacoma, Seattle and Spokane, Wash.; San Francisco, Los Angeles and Sacramento, Cal. Crackers, cakes, fancy biscuits and all kinds of candy and confectionery. Foreign agent: F. H. Ostrander, Kobe, Japan.

Pacific Hardware and Steel Company, Mission and Fremont streets, San Francisco, Cal. Rolling mill at Portland, Ore. Bar iron and sash weights. Jobbers of hardware, tinware, brass goods, iron and steel, sewing machines, sporting goods and cutlery. Cable address, "Pacificsteel," San Francisco. Codes, A B C and Western Union.

Pacific Lumber Company, 308 Rialto building, San Francisco, Cal. Mills at Scotia, Humboldt Co., Cal. Redwood lumber and shingles. Cable address, "Scotia," San Francisco. Codes, Western Union, A B C and Pacific Coast Lumberman's Telecode.

The Packard Company, Fort Wayne, Ind. Packard pianos and organs. Foreign agents: E. Hirsch & Co., London; Johanna Frühling, Langereihe 5, 1, Hamburg; G. A. Goldsehmeding, 141 Warmoesstraat, Amsterdam; Woodhead, Plant & Co., Cape Town; Dalldorf, Schabbel & Co., Port Elizabeth, Cape Colony; Vause, Slatter & Co., Pietermaritzburg, Natal; C. A. Fichardt & Co., Bloemfontein; Munney & Findlay, Launceston, Tasmania; Anthony Hordern & Sons, Sydney; Levy Bros., Melbourne; Petersen & Steenstrup, Copenhagen; C. Rabe, Bergen, Norway; Rummel & Cie, Antwerp; A. Wagner y Levien, Sucs., Mexico City. Cable address, "Packard," Fort Wayne. Code, private.

M. A. Packard Company, Brockton, Mass. Men's fine shoes. Foreign agents: A. D. Pinkerton & Son, London; F. Gagliardi & Co., Sydney; Cauche & Rouzière, Paris; Rudolf Freund, Yorkstrasse 84 a, Berlin. Cable address, "Mapco," Brockton. Codes, A B C and Western Union.

N. R. Packard & Co., Brockton, Mass. Goodyear welt shoes.

Paepcke-Leicht Lumber Company, 1520 Tribune building, Chicago, Ill. Mills also at Cairo, Ill. Boxes, box shooks; hardwood lumber of all kinds. Foreign agents: F. W. Barth, Bremen; F. De Beukelaer, Antwerp; James Webster & Bro., Liverpool. Cable address, "Paepcke," Chicago. Codes, A B C, Lumberman's and Adams.

to manufacturers whose names are given in this book.

Page Belting Company, Concord, N. H New York office, 17 Murray street. Flat leather belting, round leather belting, leather link belting, braided and twist leather belting; curried belt leather, fancy curried rein and saddle leather; belt dressing, belt cement, straps of all kinds, rawhide lacing, valve and hydraulic leather; heels, innersoles; belting tools and sundries, polishing wheels; rubber, cotton and canvas belts. Foreign agents: Roberto Boker y Cia., Mexico City; Knight & Wall Co., Havana. Cable address, "Niobe," Concord. Code, private.

George G. Page Box Company, Cambridge, Mass. Also at Bar Mills, Maine. Wooden packing boxes and box shooks.

Page Woven Wire Fence Company, Adrian, Mich. Works also at Monessen, Pa. New York office, 235 Broadway. Rods, wire, woven wire fencing, wrought iron fencing. Cable address, "Page," Adrian. Codes, A B C Fourth edition and Western Union.

Paine Lumber Company, Ltd., Oshkosh, Wis. Sash, doors, blinds, lumber (white pine, oak, birch, ash and all Wisconsin native woods), bridge timber, interior millwork, veneered doors, stair work, balusters, spindles, match blocks, door and window frames, and any building material or other like article made of wood. Foreign agent: Arthur Rushforth, 28 Imperial Chambers, 62 Dale street, Liverpool. Cable address, "Painerush," Oshkosh. Code, A B C.

I. E. Palmer. (See Arawana Mills.)

The Palmers & DeMooy Foundry Company, Winter and Leonard streets, Cleveland, Ohio. Light gray iron castings. Cable address, "Palmooy," Cleveland. Code, Western Union.

The Paraffine Paint Company, 24 Second street, San Francisco, Cal. Factories and refinery at Paraffin, Cal. Branches in Los Angeles, Portland, Ore., Seattle, Spokane and Denver. Manufacturers of "P & B" and "Malthine" building papers; "P. & B.," "Pabco" and "Malthoid" roofings; "P. & B.," "Pabco" and "Malthine" paints; "Pabco" insulating tape; "P. & B." pile covering. Foreign agents: Toshio Fujiwara, Kobe and Tokio, for Japanese ports; Wm. Baldwin, Sydney; James W. Jack, Wellington; sub-agents in all Australian and New Zealand cities. Cable address, "Pabco," San Francisco. Codes, Lieber's, Anglo-American, A B C Fourth edition and Western Union.

Paragon Plaster and Supply Company, Scranton, Pa. Works at Bloomsburg, Pa. "Paragon" and "Banner" hard wall plaster, calcined plaster on stucco, wood fiber plaster, brick mortar. Jobbers of cements of all kinds, metal lath, lime in barrels and in bulk.

Paramount Knitting Company, Medinah Temple building, Chicago, Ill. Works at Kankakee, Ill. Cotton seamless hosiery, children's and men's cotton hosiery.

The C. Pardee Works, Perth Amboy, N. J. Steel department: cold drawn polished shafting, turned polished shafting, screw stock, finished shapes, piston and pump rods, street car axles; also open hearth steel bars, shapes and angles. Tile department: white wall tile of all descriptions. Code, private.

Paris Medicine Company, 2628 Pine street, St. Louis, Mo. Laxative Bromo-Quinine; Pazo Ointment; Porter's Antiseptic Healing Oil; Grove's Tasteless Chill Tonic; Grove's Chronic Chill Cure. Foreign branch: Temple Chambers, London, E. C. Cable address, "Dungrove," St. Louis or London. Code, Western Union.

Park, Winton & True, Addison, N. Y. Doors, sash, blinds, mouldings and veneered doors.

Park Woolen Mills, Rossville, Ga. Jeans and union cassimeres.

Parke, Davis & Co., Detroit, Mich. New York office, 90 Maiden Lane. Branches in all the principal cities of the United States. Fluid and solid extracts, sugar and gelatin-coated pills; hypodermatic, compressed and coated tablets and tablet triturates; medicinal elixirs, syrups and wines; empty gelatin capsules and filled gelatin capsules, hard and flexible; medicated lozenges, granular effervescent salts, pressed herbs, Cascara evacuant; Euthymol tooth paste; biological products, such as diphtheria antitoxin, antitetanic serum, etc., tuberculin and blackleg vaccine, adrenalin, chloretone, pancreatin, pepsins and malt extracts. Foreign branches at Walkerville, Ont., Montreal, London, St. Petersburg, Simla (India) and Sydney. Cable addresses: "Parkedave," Detroit; "Cascara," London. Code, Lieber's.

The Charles Parker Company, Meriden, Conn. New York office, 32 Warren street. Wood screws, vises, coffee mills, lamps and chandeliers; piano stools, scarfs, chairs, benches and music cabinets; plumbers' sundries and bath room specialties; the "Old Reliable Parker" gun. Cable address, "Chasparker," Meriden. Codes, Lieber's and Western Union.

Parker Hosiery Mill and Dye Works (Joseph A. Parker, proprietor), 777 Crawford street, Portsmouth, Va. Children's and misses' seamless ribbed hosiery; also paper boxes.

Parker-Russell Mining and Manufacturing Company, 417 Pine street, St. Louis, Mo. Fire clay, gas retorts and settings; fire brick, locomotive boiler tiles, blast furnace brick and tile, hollow building tile for fire proofing, gas retort benches erected complete including iron work. Cable address, "Parkrus," St. Louis. Code, Adams Cable Codex.

The Parkersburg Chair Company, Parkersburg, W. Va. Wood and cobbler seat rockers; wood, cane and leather seat dining chairs, and wood seat office chairs. Cable address, "Chair," Parkersburg. Code, Western Union.

The Parkersburg Mill Company, Parkersburg, W. Va. Oak timbers, poplar lumber, furniture dimension, brush handles and blocks. Cable address, "Parksmill," Parkersburg. Codes, American Lumbermen's Telecode and Western Union.

The Parkesburg Iron Company, Parkesburg, Pa. Charcoal boiler-tube iron skelp. Cable address, "Ironco," Parkesburg. Codes, Western Union and private.

Parkhill Manufacturing Company, Fitchburg, Mass. New York agents: J. Harper Poor & Co., 22 Thomas street. Woven wash fabrics, ginghams, shirtings, fine cotton dress goods, "Toile du Nord" brand; width of goods to suit buyers, 24 to 36 inches. Cable address, "Lowe," Fitchburg. Code, Atlantic Directory.

Parry Manufacturing Company, Indianapolis, Ind. Carriages, spring wagons, surreys, phaetons, wheels, springs and axles. Cable address, "Parry," Indianapolis. Code, A B C.

Parsons Band Cutter and Self-Feeder Company, Newton, Iowa. Band cutters and self-feeders: the Parsons band cutter and self-feeder for threshers; the "Success" engine tender, "Success" coupler and "Success" strainer for traction engines; the "Success" husker and shredder; the "Success" stoker for straw burning traction engines; the "Success" ratchet cylinder wrench; the "Success" automatic belt guide; the "Buffalo" hay press and the "Success" farm and hay derrick.

Parsons Brothers, 257 Broadway, New York. Exporters of paper of all kinds, printing machinery, printing inks and everything connected with the paper and printing trades. Foreign branches: 171 Queen Victoria street, London; Stock Exchange building, Pitt street, Sydney; 4 Chester Chambers, 44 St. George's street, Cape Town. Cable addresses: "Parso-

bros," New York; "Unitpaper," Sydney; "Normanique," London; "Spediteur," Cape Town. Codes, A B C Fifth edition, Lieber's and Western Union.

Parsons Paper Company, Holyoke, Mass. First-class bonds, linens and ledger papers. Bonds: Parsons bond, Mercantile bond, Old Hampden bond, London bond. Linens: Parsons linen, Extra linen. Ledgers: Scotch linen ledger, Parsons linen ledger, Royal linen ledger. Also parchment bristols; American drawing, parchment deed and writing papers. Code, A B C.

Pass & Seymour, Inc., Solvay, N. Y. Electrical specialties: electrical porcelain; sockets, switches, receptacles, rosettes, attachment plugs; electrical signs.

Frank C. Patten Company, Sycamore, Ill. Cider mills, hand and barrel carts, hay tools, corn shellers, saw frames, blacksmiths' supplies.

J. E. Patterson & Co., 151 North Pennsylvania avenue, Wilkes-Barre, Pa. Planing mill at Pittston, Pa. Lumber and masons' supplies; doors, sash, blinds and interior finish.

The Pattin Bros. Company, 126-128 Second street, Marietta, Ohio. Gas engines, oil well supplies, pumping powers, steam pumps, gas engine geared pumps, gas pumps, walking beam pumps, pull line pumps, etc.; iron and brass castings.

Patton Paint Company, 213 Lake street, Milwaukee, Wis. Export office, foot of Chester avenue, Newark, N. J. Paints. Cable address, "Sunproof," Milwaukee. Code, Western Union.

J. P. Paulson, Fifteenth and Wynkoop streets, Denver, Col. Bank, bar, office and store fixtures. Jobber of show cases, billiard and pool tables and billiard supplies.

J. W. Paxson Co., 1021 North Delaware avenue, Philadelphia, Pa. Iron and steel foundry equipment; moulding machines, sand blast machinery, etc. Cable address, "Nospax," Philadelphia. Code, Western Union.

Peace Dale Manufacturing Company, Peace Dale R. I. Woolen and worsted cloths for men's and women's wear, in weight from 9 oz. to 40 oz., and 54 to 60 inches wide.

Joseph T. Pearson, 1825 East Boston avenue, Philadelphia, Pa. Packing boxes, hosiery boards and lapping boards.

Peaslee-Gaulbert Company, 417 West Main street, Louisville, Ky. Paints and varnishes. Jobbers of bottles, window glass, lamp goods, table glassware, brushes, etc.

The Peck Brothers & Co., New Haven, Conn. Branches in Boston, Mass., and 27 West Forty-second street, New York. Brass work for water, steam and gas; sanitary specialties. Jobbers of plumbing goods. Cable address, "Dauntless," New Haven. Codes, Western Union and Atlantic Directory.

The Peck, Stow & Wilcox Company, Southington, Conn. Works also at East Berlin and Plantsville, Conn., and Cleveland, Ohio. Mechanics' tools, housekeeping implements and shelf hardware: tinsmiths' tools and machines, carpenters' edge tools, carpenters' squares, pliers of all kinds, food and meat cutters, solid handle wrenches, fire place goods, builders' hardware, scale beams, game traps, carriage bolts.

Peckham Manufacturing Company, 26 Cortlandt street, New York. Works at Kingston, N. Y. Electric and steam railroad car trucks, rotary snow plows and car springs. Foreign agents: R. W. Blackwell & Co., Ltd., London. Cable address, "Peckham," New York. Codes, Lieber's and A 1.

Pecora Paint Company, S. Bowen's Son successor, Fourth street and Sedgley avenue, Philadelphia, Pa. Fillers for iron and wood; cements for stoves, furnaces and roofs; enamels for wood, iron and plaster; machinery paints (flat, egg shell gloss and high gloss); mortar stains and cement stains for coloring mortar and cement. Foreign agents: Lambert & Co., Rotterdam. Cable address, "Pecora," Philadelphia. Code, A B C Fourth edition.

A. H. Peirce Manufacturing Company, 108 North Green street, Chicago, Ill. The "Sanitary Still" for family and druggists' use; also larger styles for factories, hospitals and other institutions; car seals and presses, metal checks, tags, name plates and novelties; also the "Electro Spatteur," a portable vibrating therapeutic massage instrument. Cable address, "Peirco," Chicago. Codes, Lieber's and Western Union.

Pelouze Scale and Manufacturing Company, 132 West Jackson boulevard, Chicago, Ill. Scales and spring balances; household, postal, confectionery, hanging, counter, market, ice and sporting scales. Foreign agents: The Fairbanks Co. and the American Trading Co., London; Mimard, Blachon & Co., St. Etienne, France; P. J. Van Leeuwen, The Hague; John R. Edgar Co., Manila. Cable address, "Pelouze," Chicago. Code, Atlantic Directory.

The Pelton Water Wheel Company, 125 Main street, San Francisco, Cal. New York office, 143 Liberty street. Water wheels, sheet steel riveted pipe, gate valves, hydraulic governors, rams, giants and general hydraulic accessories and supplies. Foreign agents: Bagnall & Hilles, Yokohama; Kerkhoven & Mazel, Tjibadok, Java. Cable address, "Pelton," San Francisco. Codes, A B C Fifth edition, Lieber's and private.

Pelzer Manufacturing Company, Pelzer, S. C. Cotton goods for export markets: shirtings, 30 to 44 inch sheetings, and 30 inch drills of many different weights and counts, all in the brown. Woodward, Baldwin & Co., 43-45 Worth street, New York, selling agents.

George H. Pembroke Company, Rochester, N. Y. Coin controlled vending machines for selling chewing gum, automatically, without the assistance of the clerk, in both one and five cent packages; also manufacturers of Pems "Caskara" chewing gum and "Xtragood" Pepsin chewing gum. Jobbers of chewing gum. Cable address, "Pembroke," Rochester, N. Y.

Penn-American Plate Glass Company, Inc., Westinghouse building, Pittsburg, Pa. Works at Alexandria, Ind. Manufacturers of polished plate glass in all thicknesses and qualities; sky-light and floor glass; mirrors and bent glass. Sole manufacturers of Novus Sanitary Glass, a sanitary structural glass in statuary white color, taking the place of marble for wainscoting, partitions, floors, counters, shelves, etc., for hospitals and all sanitary uses. It is non-impervious, will not discolor or deteriorate and is easily kept clean. It is made in all thicknesses from ½ in. up to 2 in., and in slabs up to 8 ft. wide by 10 ft. long. Cable address, "Pennglass," Pittsburg. Code, A B C.

Pennsylvania Coal and Coke Company, Land Title building, Philadelphia, Pa. New York office, 17 Battery place. Mines and coke ovens in Cambria, Indiana and Blair counties, Pa. Bituminous coal and coke. Cable address, "Webcoal," Philadelphia. Code, Western Union.

Pennsylvania Engineering Works, New Castle, Pa. Blast furnace and steel plant construction, iron and steel cars for use at blast furnaces and steel works, and general machine and plate work. Cable address, "Pennworks," New Castle. Code, Western Union.

Pennsylvania Lubricating Company, Thirty-fourth street and A. V. R. R., Pittsburg, Pa. Mill greases of all kinds; railroad and cup greases. For-

eign agent: Wilson Cross, Produce Exchange building, Victoria street, Liverpool. Cable address, "Palubq," Pittsburg and Liverpool. Code, private.

Pennsylvania Salt Manufacturing Company, 115 Chestnut street, Philadelphia, Pa. Importers of Greenland kryolith, pyrites, nitrate of soda; manufacturers of "Natrona" bicarbonate soda, caustic soda, sal soda, pure alumina for aluminum, "Natrona" porous alum, crystal or lump alum, aluminous cake, chloride zinc, chloride calcium, salt, bluestone or sulphate of copper, soda ash, aqua ammonia, saponifier, "Lewis' 98 per cent." powdered and perfumed lye, potash, copperas, bleaching powder or chloride lime, fluoride calcium, sulphide of iron, refined salt cake for glass makers, Glauber's salt, manganese; sulphuric, nitric and muriatic acids; pure ground kryolith for glass makers and hollowware manufacturers and enamelers; purple ore or blue billy, containing over 67 per cent. metallic iron and free from phosphorus; and other chemicals and specialties which comprise the standard goods in their respective classes. Cable address, "Pennsalt," Philadelphia. Codes, A B C and Watkins'.

The Pennsylvania Steel Company, Girard building, Philadelphia, Pa. New York office, 71 Broadway; A. E. Aeby, sales agent. Works at Steelton, Pa., and Sparrows Point, Md. Rails, frogs, switches, crossings, etc.; bridges, structural work and ships of all kinds; blooms, billets, slabs, angles, beams, channels, spring steel, splice plates, girder rails and general rolled steel products and steel castings. Foreign agents: Sanders & Co., London. Cable address, "Pennsteel," Philadelphia. Code, Lieber's.

Penobscot Chemical Fibre Company, 35 Federal street, Boston, Mass. Chemical fiber. Cable address, "Penobscot," Boston. Codes, A B C and Western Union.

People's Independent Rice Mill Company, Ltd., Crowley, La. Rice, rice bran, rice flour, and brewers' rice. Jobbers of all rice products. Foreign agents: American Trade Developing Co., City of Panama; Dooley, Smith & Co., San Juan, P. R. Cable address, "Pendent," Crowley, La. Code, A B C Fourth edition.

The Perkins Oil Company, Memphis, Tenn. Crude cotton seed oil, oil cake, meal, linters and hulls.

Perkins & Co., Grand Rapids, Mich. Shingle mill machinery, marine gasoline and kerosene engines, draw stroke trimmers. Foreign agents: John Elsworth & Son, Glasgow; Schuchardt & Schütte, Berlin; T. M. Lane & Sons. Totara, North N. Z; H. M. Breckinridge, Failford, N. S. W. Cable address, "Monarch," Grand Rapids. All codes.

The Perkins, Campbell Company, 622 Broadway, Cincinnati, Ohio. Harness, saddles, horse collars, etc. Cable address, "Perkins," Cincinnati. Codes, A B C and Western Union.

Perkins, Linscott & Co., 167 Lincoln street, Boston, Mass. Factory at Rochester, N. H. Manufacturers of men's, boys' and youths' Goodyear shoes, and men's, boys', youths' and little gents' McKay shoes.

Perrine Armstrong Company, Fort Wayne, Ind. Works at Fort Wayne and Indianapolis, Ind. Lumber: hickory, oak, ash, walnut, cherry and all native woods; lumber specialties, bent wagon rims, sawed wagon felloes, all wagon wood goods. Cable address, "Vauperrine," Fort Wayne. Code, A B C.

Perseverance Worsted Company, 435 River street, Woonsocket, R. I. New York office, 72 Leonard street. Fancy worsted goods for men's wear.

Peru Bagging Manufacturing Company, Peru, Ind. Bagging for covering cotton.

Peru Electric Manufacturing Company, Peru, Ind. Porcelain insulators, cleats, cut-outs, rosettes and sockets. Cable address, "Bouslog," Peru. Code, Western Union.

The Peruna Drug Manufacturing Company, Columbus, Ohio. Proprietary medicines—"Peruna," "Manalin," "Lacupia."

The Norris Peters Company, 458 Pennsylvania avenue, Washington, D. C. Photo-lithographic copies; also copies of drawings to accompany applications for patents in all the foreign patent granting countries.

The Petroleum Iron Works Company, Washington, Pa. All classes of steel plate and sheet iron work, such as boilers, stacks, steel tanks for any purpose; oil refineries, riveted pipe, etc. Jobbers of portable engines and "Gem" oil burners. Cable address, "Petroleum," Washington, Pa. Codes, A B C and Western Union.

The Pettebone-Cataract Paper Company, Niagara Falls, N. Y. News paper; ground wood pulp. Cable address, "Pettebone," Niagara Falls. Codes, Atlantic Directory, Adams and Western Union.

Pettingell-Andrews Company, 156 Pearl street and 491 Atlantic avenue, Boston, Mass. Electrical specialties; open circuit protectors; oil switches; reinforced pins; special insulators; mast arms; telephone hooks; electric, gas and combination fixtures and portables; mosaic shades, etc. Wholesale jobbers of electrical merchandise for electric light, electric railway and telephone work; wires and cables; oil lamps; decorated shades and domes. Importers of gas and electric shades and domes. Cable address, "Petandrews," Boston. Code, A B C.

The Pfau Manufacturing Company, 530-538 Reading road, Cincinnati, Ohio. Water closet tanks and seats.

Pfister & Vogel Leather Company, Milwaukee, Wis. New York office, corner Ferry and Cliff streets. Other branches in Boston, Chicago, St. Louis, St. Paul and Gloversville, N. Y. Tanners of shoe, sole, harness and glove leather. Jobbers of sheepskins and pasted leather. Foreign branches in London and Worms o/R. Cable address. "Pevee," Milwaukee. Codes, Lieber's, Western Union, Atlantic Directory, Widebrook, A B C and private.

Charles Pfizer & Co., Inc., 81 Maiden Lane, New York. Works at Brooklyn, N. Y. Medicinal chemicals. Cable address, "Pfizer," New York. Codes, A B C and others.

The Philadelphia Lawn Mower Company, 3101 Chestnut street, Philadelphia, Pa. Lawn mowers, sweepers, sprinklers, collectors and emery grinders. Export agents: Bridge & Beach Manufacturing Company, San Francisco. Cable address, "Philamower," Philadelphia.

Philadelphia Quartz Company, 121 South Third street, Philadelphia, Pa. Works at Philadelphia and at Anderson, Ind. Silicate of soda in its various forms; sal soda; Joseph S. & Thomas Elkinton's laundry soap and Trolley soap. Cable address, "Elkinton," Philadelphia. Code, A B C.

Philadelphia Watch Case Company, Riverside, Burlington county, N. J. Watch cases of every size, style and quality, such as nickel, electro gold plate, silver, gold filled and solid gold; complete watches with American movements for export trade. Sole export agents for the United States Watch Company, Waltham, Mass., and the New York Standard Watch Company, Jersey City, N. J. Foreign offices: 33 Holborn Viaduct, London; 32 Neuerwall, Hamburg. Cable address, "Zurbrugg," Riverside. Codes, A B C and Lieber's.

Philadelphia White Bronze Monument Company, 23 South Seventeenth street, Philadelphia, Pa. Monuments, tombs, statues, busts, etc., of white bronze metal. Cable address, "Gara," Philadelphia. Codes, A B C and Atlantic Directory.

Philips' Pressed Steel Pulley Works, Fourth street and Glenwood avenue, Philadelphia, Pa. Manufacturers of Philips' Pressed Steel Pulley. Cable address, "Philipspulley," Philadelphia.

Phillips Insulated Wire Company, Pawtucket, R. I. Bare and insulated wires and cables; weatherproof, slow burning weatherproof, rubber covered, dampproof office and annunciator wire.

Phillips Mine and Mill Supply Company, South Twenty-fourth and Mary streets, Pittsburg, Pa. Coal mining and coke making machinery and equipment: mining and coal cars; mine car axles and wheels; Phillips' patent automatic coal car dumps; coke oven charging larries; coke scraper heads, coal screens and tipples, and platform scales.

Phillips & Buttorff Manufacturing Company, Nashville, Tenn. Manufacturer of stoves and ranges, mantels and grates, stove and country hollowware and tinware. Jobber of sheet metal, enameled ware, crockery and glassware, cut glass, bric-a-brac, kitchen and dining room utensils, toys. Foreign agent: Brüder Helzel, Dresden. Cable address, "Buttorff," Nashville.

Phillips & Clark Stove Company, Geneva, N. Y. Stoves and ranges. Cable address, "Philclark," Geneva, N. Y. Codes, Lieber's and Western Union.

Phoenix Chair Company, Sheboygan, Wis. Chairs, rockers, cradles, settees. Foreign agents: The Globe Wernicke Co., Ltd., London; J. Block Co., Moscow; H. P. Moorehouse, Paris; Van der Wielen & Schwiebe, Antwerp; Groyan & Richmann, Cologne; Van Gils & Van der Meer, Rotterdam; Archibald Stewart & Co., Glasgow. Cable address, "Phoenix," Sheboygan. Codes, A B C Fourth edition and Western Union.

Phoenix Furniture Company, Grand Rapids, Mich. Fine furniture: parlor, bedroom, dining room and library furniture; fine rockers and chairs.

The Phoenix Glass Company, 15 Murray street, New York. Works at Monaca, Pa. Glassware for all illuminating fixtures; arc and incandescent electric globes and shades, gas globes and shades, decorated lamps and shades for oil.

The Phoenix Horse Shoe Company, Poughkeepsie, N. Y., and Rookery building, Chicago, Ill. Works at Poughkeepsie, N. Y., and Joliet, Ill. All kinds of horse, mule and jack shoes.

Phoenix Planing Mill, Atlanta, Ga. Sash, doors and blinds. Jobbers of lumber, lath, shingles and all kinds of building materials.

The Phosphor-Bronze Smelting Company, Ltd., 2200 Washington avenue, Philadelphia, Pa. Phosphor-bronze and "Delta" metal. Cable address, "Luders," Philadelphia. Code, Lieber's.

The George N. Pierce Company, 18 Hanover street, Buffalo, N. Y. Bicycles and automobiles. Cable address, "Piercycle," Buffalo. Code, Lieber's.

Pierce Manufacturing Corporation, New Bedford, Mass. All combed plain and fancy cotton goods, all widths to 60 inches.

Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y. New York office, 254 Fourth avenue; Boston office, 50 Oliver street; Philadelphia office, 831 Arch street; Chicago office, Lake and Franklin streets. Cast iron house heating boilers for steam and water; steam and water cast iron radiators; enameled iron bath tubs, lavatories and fixtures, closet seats and tanks, lead pipe, solder and steam and sanitary supplies.

The Pike Manufacturing Company, Pike, N. H. New York office, 151 Chambers street. Scythe stones of many kinds, oil stones, in Arkan-

sas, Washita, India, Queer Creek and Hindostan grits, of all shapes and sizes; knife sharpeners of many kinds; German, Belgian and Swaty razor hones; emery wheels, emery stone, scythe rifles, soapstone foot warmers and griddles, mower knife and tool grinders. Foreign agencies in London, Hamburg and Paris. Cable address, "Pikemco," Newhampshire. Codes, A B C and Lieber's.

Pilling & Madeley, Incorporated, Huntingdon street and Trenton avenue, Philadelphia, Pa. Shreve & Adams, 86 Leonard street, New York, selling agents. Men's half hose, misses' and boys' ribbed hose, ladies' seamless hose, boys' ribbed hose fashioned feet, ladies' full fashioned hose, all of cotton.

Pillsbury-Washburn Flour Mills Company, Ltd., Minneapolis, Minn., and 20 Broad Street avenue, London, England. Mills at Minneapolis and Anoka, Minn. Flour and other wheat products. Cable address, "Pillsbury," Minneapolis. Code, private.

Pine Tree Lumber Company, Little Falls, Minn. Lumber, lath and shingles.

The Pingree Company, 102-106 Jefferson avenue, Detroit, Mich. Men's, women's and children's shoes, fine and medium grades. Foreign agents: H. S. Chipman, 54 Margaret street, Sydney; F. W. Roach & Co., Wellington; J. B. Eayrs, Cape Town. Cable address, "Composite," Detroit. Codes, Lieber's and Western Union.

Pioneer Cooperage Company, 137 North Hoyne avenue, Chicago, Ill., and 2212 De Kalb street, St. Louis, Mo. Oak cooperage.

Pioneer Hat Works, Wabash, Ind. Soft hats. Cable address, "Pioneer," Wabash. Code, Western Union.

The Pioneer Pole and Shaft Company, Piqua, Ohio. Works at Piqua, Sidney, Canton, Cincinnati, Troy, Wellington, Akron and Ashtabula, in Ohio; St. Louis, Mo.; Memphis, Tenn.; Anderson and Muncie, Ind. Poles and shafts and carriage specialties.

Pioneer Suspender Company, 718 Market street, Philadelphia, Pa. New York office, 783 Broadway; Chicago office, 915 Medinah building. Suspenders and Brighton garters for men.

The Piqua Handle and Manufacturing Company, Piqua, Ohio. Works in Piqua and Columbus, Ohio; Osceola, Ark.; Thompsonville, Mich. Long and "D" shovel, fork, hoe and rake handles; wood door knobs and door stops; chisel and file handles, and general wood turnings. Cable address, "Barber," Piqua. Codes, A B C Fourth edition, Western Union and private.

Pittsburgh Forge and Iron Company, Tenth street, Pittsburg, Pa. Works at Allegheny, Pa. Bar iron, railway and street car axles, bolts and nuts; railway and marine forgings. Cable address, "Clow," Pittsburg.

Pittsburg Machine Tool Company, Allegheny, Pa. Lathes, planers and special machinery.

Pittsburgh Malleable Iron Company, Thirty-fourth and Smallman streets, Pittsburg, Pa. Malleable iron castings: specialties, air brake and electric railway castings. Cable address, "Malleable," Pittsburg. Code, A B C.

Pittsburgh Manufacturing Company, Twenty-eighth and Railroad streets, Pittsburg, Pa. Castings, forgings, bolts, rivets, valves, hydrants, etc. Bending and straightening machines. Code, Western Union.

Pittsburgh Plate Glass Company, 1618 Frick building, Pittsburg, Pa. New York office, 60 Vandam street. Works at Creighton, Tarentum, Ford City, Charleroi and Floreffe, all in Pa.; Kokomo and Elwood, Ind., and Crystal City, Mo. Plate glass. Jobbers of window glass. Cable address, "Pittsburco," New York.

Pittsburgh Printing Company, 518 Seventh avenue, Pittsburg, Pa. Printing of any nature, electrotyping and binding.

The Pittsburgh Reduction Company, 1504 Park building, Pittsburg, Pa. New York office, 99 John street. Works at New Kensington, Pa., Niagara Falls and Massena, N. Y., East St. Louis, Ill. Mines at Bauxite, Ark. Aluminum ingots, sheet, wire, rods, castings, electrical conductors, cooking utensils, etc. Foreign agent: Thomas Ashbury, 17 St. Anne square, Manchester. Cable address, "Reduction," New Kensington. Codes, A B C, A 1, Lieber's and Western Union.

Pittsburgh Screw and Bolt Company, Pittsburg, Pa. Set and cap screws, bolts, nuts, structural and boiler rivets, upset rods, foundation bolts, etc.

Pittsburg Steel Construction Company, Pittsburg, Pa. Works at Allegheny and Economy, Pa. Structural steel buildings, girders, etc.

Pittsburgh Stove and Range Company, Allegheny, Pa. Works at Allegheny, New Castle and Sharpsburg, Pa. Stoves and ranges, furnaces, grates and fronts.

Pittsburgh Valve, Foundry and Construction Company, Pittsburg, Pa. All kinds of pipe, globe and gate valves, fittings and appliances for steam, gas, water and hydraulic work; rolling mills, steel works, blast furnaces, coal and coke works, power houses for electric street railways, etc., fitted up by experienced workmen.

Thomas G. Plant Company, Center and Bickford streets, Boston, Mass. Women's shoes, "Queen Quality." Cable address, "Plant," Boston.

The Platt Iron Works Company (Successors to The Stilwell-Bierce & Smith-Vaile Company), Dayton, Ohio. New York office, 141 Broadway. Other branches in Boston, Philadelphia, Baltimore, Chicago, Pittsburg, Cleveland, New Orleans, Dallas, San Francisco and Atlanta, Ga. Cotton and linseed oil machinery, corn oil machinery; steam and power pumps, vacuum pumps, boilers, condensers, live steam purifiers; feed water heaters, air compressors; beet sugar machinery, filter presses; abattoir machinery; power transmission machinery; turbine water wheels. Foreign agents: Frederic Nell, 46 Queen Victoria street, London; Harry W. Mears, Mexico City; Bagnall & Hilles, Yokohama; Arthur G. Krug, São Paulo, Brazil. Cable address, "Stilwell," Dayton, Ohio. Codes, Lieber's, A B C, Western Union and private.

Fayette R. Plumb, Inc., Frankford, Philadelphia, Pa. Axes, adzes, bars, blacksmiths' tools, chisels, cleavers, choppers, beef splitters, hammers (nail, blacksmiths', engineers', drilling, farriers', machinists', masons', shoe, stone), hatchets, grub hoes, bush hooks, mattocks, mauls, picks, sledges, tongs, wedges and railroad wrenches. Foreign agents: Cushman & Thomson, Aldersgate buildings, Aldersgate street, London; W. A. Henderson, G. P. O. Box 483, Cape Town; H. Henneberg & Co., Buenos Aires; R. Tillmans & Co., Valparaiso; C. V. Hitchins, Cortega 5, Mexico City; F. W. Horne, Yokohama; Chas. Cullen, P. O. Box 176, Melbourne; Dorpelhus & Kunneke, Christiania. Cable address, "Plumb," Philadelphia. Code, private.

The Plume & Atwood Manufacturing Company, 29 Murray street, New York. Factories at Waterbury, Conn. Mills at Thomaston, Conn. Kerosene lamps, burners and all kerosene fittings; oil heaters; gas and electric portables; brass furniture and bedstead trimmings; upholstery trimmings; brass sheets, rods and wire; brass and iron chain; copper rivets and burrs, etc. Specialties: "Banner" and "Royal" lamps; "Banner" oil heaters; "Banner" burners. Cable address, "Plumwood," New York.

Pocasset Worsted Company, 100 Boylston street, Boston, Mass. Mills at Thornton, R. I. Worsted yarn in gray. Cable address, "Fletcher," Providence.

Poland Paper Company, Mechanic Falls, Me. Book papers.

Pontiac Axle Company, Pontiac, Mich. Vehicle axles. Jobbers of steel axle bars, axle boxes, axle nuts, axle washers.

Pontiac Wheel Company, Pontiac, Mich. Wood vehicle wheels.

Pope & Talbot, 314 California street, San Francisco, Cal. Works at Seattle, Pt. Gamble, Pt. Ludlow, Utsalady and Cosmopolis, in Washington. Douglas fir, spruce and cedar lumber, timber and planing mill products. Cable address, "Talbot," San Francisco. Codes, Scott's, Watkin's 1884, Lieber's, A B C Fifth edition, Atlantic Directory, A 1, Ager's The Telegram Code, Western Union, American Lumberman's Telecode.

Port Arthur Rice Milling Company, Port Arthur, Tex. Rice and rice products—rice bran and polish and ground hulls. Jobbers of clean rice pockets, rough rice sacks or burlap bags; sack twine and binder twine.

Port Huron Engine and Thresher Company, Port Huron, Mich. New York office, 11 Broadway. Traction, portable, skid and plowing engines; road rollers, dump wagons; threshers with feeders, stackers (wind or pneumatic included) and baggers; corn shellers, corn huskers, power hay presses, portable saw mills, wood saw frames, lifters and bunchers. Jobbers of steam hay presses and grain handlers for threshing machines. Cable address, "Rusher," New York. Codes, A B C, A 1, Lieber's, Western Union and private.

H. K. Porter, 6 Ashland street, Everett, Mass. Bolt clippers, electric wire cutters, storage battery cutters. Cable address, "Boltclip," Boston. Code, Western Union.

H. K. Porter Company, 541 Wood street, Pittsburg, Pa. Light locomotives for all gauges of track, steam and compressed air, from 3 to 50 tons weight, for every variety of service; steam locomotives for passenger and freight service; contractors', industrial; for steel works, coke ovens, furnaces, quarry, plantation, logging, underground or surface use at mines; compressed air locomotives for underground service at mines and surface use where there is special hazard from fire, as in powder mills, lumber yards, textile works, etc. Export trade a specialty. Cable address, "Porter," Pittsburg. Codes, A B C Fourth and Fifth editions, Lieber's, Atlantic Directory, Western Union, A 1 and private.

The Portland Company, 58 Fore street, Portland, Maine. Stationary and marine boilers; marine and stationary engines; steam vessels up to 2,000 tons; narrow gauge railroad cars and equipment; passenger and freight elevators of every description; iron and brass castings; tanks, standpipes, digesters for sulphite mills, etc. Jobbers of boiler tubes, steam pumps, searchlights, steam steerers. Cable address, "Portland-co," Portland, Maine.

Portland Cement Company of Utah, Limited, 801 South Fifth West street, Salt Lake City, Utah. Portland cement, "Red Diamond" brand. Foreign branch: 11 Old Jewry Chambers, London, E. C. Cable address, "Cement," Salt Lake City. Codes, Lieber's and Western Union.

Portland Lumber Company, Portland, Ore. "Oregon" pine lumber.

The Portsmouth Stove and Range Company, Portsmouth, Ohio. Steel ranges, cast ranges and cooking stoves; heaters of different kinds. Cable address, "Model," Portsmouth. Code, Western Union.

Ph. H. Postel Milling Company, Mascoutah, Ill. Flour, meal, grits and mill feed.

The Postum Cereal Company, Ltd., Battle Creek, Mich. New York office, 105 Hudson street. "Postum" cereal food coffee and grape nuts. Foreign agent: Grape-Nuts Co., Ltd., London. Cable address, "Postum," Battle Creek, Mich. Codes, A B C Fourth edition and Western Union.

Potomska Mills Corporation, New Bedford, Mass. Cotton yarns and cloth, fine and fancy goods, lawns, linons, dimities, sateens, lenos and fancies, 28 to 42 inches, brown.

Potter Printing Press Company, 688-758 South Second street, Plainfield, N. J. Printing presses: newspaper, book, job, color and lithographic presses, and attendant machinery. Cable address, "Poterpres," Plainfield.

Thomas Potter, Sons & Co., Inc., 522 Arch street, Philadelphia, Pa. New York office, 41 Union square, West. Floor oil cloths, linoleum and inlaid; table, stair and shelf oil cloths; enameled oil cloths, carriage carpets, embossed rubber drill and duck. Foreign agents: H. S. Chipman, 54 Margaret street, Sydney; C. F. Smith, 22 Mercaderes, Havana. Cable address, "Potters," Philadelphia. Code, Lieber's.

Potter & Johnston Machine Company, Pawtucket, R. I. New York office, 114 Liberty street. Machine tools, double turret manufacturing lathes, automatic chucking and turning machines, universal shaping machines, automatic lever chucks. Paris office: 54 avenue de Neuilly, Neuilly; J. Ryan, manager. Foreign agents: Charles Churchill & Co., Ltd., London, Birmingham, Manchester, Newcastle-on-Tyne and Glasgow; Schuchardt & Schütte, Berlin, Cologne, Milan, Stockholm, St. Petersburg; H. P. Gregory & Co., Melbourne and Sydney. Cable address, "Arran," Pawtucket. Codes, Lieber's and Western Union.

Poughkeepsie Glass Works, Poughkeepsie, N. Y. Glass bottles; prescription bottles and druggists' ware; beer, soda and mineral water bottles; wine and brandy bottles; flasks; packers' and preservers' ware; milk and fruit jars.

The Poughkeepsie Iron Company, Poughkeepsie. N. Y. Pig iron.

The William Powell Company, 2525 Spring Grove avenue, Cincinnati, Ohio. Steam brass goods for equipping power plants and engines; globe, gate, throttle and safety valves; lubricators, oilers, oiling devices, grease cups; stop cocks, air cocks; whistles, water gauges, etc. Cable address, "Star," Cincinnati. Codes, Western Union and A B C.

Power Specialty Company, 513 Washington Arcade, Detroit, Mich. Works at Windsor, Ontario, Canada. Export offices at Windsor, Ontario, and Berlin, Germany. "Diamond" steam tube cleaners, "Diamond" steam flue blowers, injectors, ejectors, oil cups and metallic packing. Cable address, "Posco," Detroit. Codes, A B C Fifth edition, Lieber's and private.

Practical Gas Construction Company, North Chicago, Ill. Gas producing apparatus, service boxes, pressure regulators, positive blast blowers, iron street lamp posts, air pumps and incandescent gas mantles.

Louis B. Prahar, 124 Pearl street, Brooklyn, N. Y. Chatelaine frames and ornaments; ladies' metal mounted dressing combs; cloth and hat brushes; comb, brush and mirror sets; ink wells; ladies' belt buckles and fancy metal goods of all descriptions. Cable address, "Prahar," Brooklyn.

Prairie State Paper Company, White Oak Mills, Taylorville, Ill. Heavy bag papers and express paper; also paper bags, in both light and heavy weights. Jobbers of E Z openers, sugar bags and grocers' bags. Selling agents: E Z Opener Bag Co., South Bend, Ind.

Pratt & Letchworth Company, 189 Tonawanda street, Buffalo, N. Y. Branch at Brantford, Ont., Canada. Malleable and steel castings for railway purposes. Cable address, "Letchworth," Buffalo. Codes, A B C, Western Union and Lieber's.

Prentice Brothers Company, Worcester, Mass. Vertical, upright, radial and multi-spindle drilling machines; engine lathes, from 12-inch to 32-inch swing. Foreign agents: Schuchardt & Schütte, Berlin, Vienna, St. Petersburg, Stockholm, Cologne, Paris, Bilbao, Brussels, Madrid, Milan; Chas. Churchill & Co., London, Birmingham, Glasgow, Newcastle-on-Tyne, Manchester. Cable address, "Drilathe," Worcester. Codes, A B C Fourth edition, Lieber's, Western Union and private.

The Preservaline Manufacturing Company, 41 Warren street, New York. Factories at Brooklyn, N. Y., and Newark, N. J. Preservatives for all kinds and classes of food, beverages and other substances. Cable address, "Calmite," New York. Codes, A B C Fourth edition, Lieber's and Western Union.

W. A. Preston, Benton Harbor, Mich. Manufacturer of doors, sash, blinds and interior finish. Jobber of lumber, shingles, lath, cement, nails, paints, oils, etc.

Price-Evans Foundry Company, 212 Boyce street, Chattanooga, Tenn. Architectural iron work; also grates and fronts, grate bars, sash weights, lawn furniture and general castings. Jobbers of structural steel.

The Procter & Gamble Company, Cincinnati, Ohio. New York office, 5 Worth street. Works at Ivorydale, Ohio. Soaps, candles, oils and glycerine. Cable address, "Procter," Cincinnati. Codes, Lieber's and A B C Fourth edition.

Isaac Prouty & Co., Inc., 27 Lincoln street, Boston, Mass. Boots and shoes, heavy and fine, all styles.

The Prox & Brinkman Manufacturing Company, 201 North Ninth street, Terre Haute, Ind. Coal mine equipment, consisting of hoisting engines, automatic cages, shaking screens, mine cars with steel or wood body, electric coal cutting machines and electric locomotives for mines. Also manufacturers and jobbers of plumbers', steam, gas, engineers', mill and mine supplies. Cable address, "Frankprox," Terre Haute. Code, Western Union.

Proximity Manufacturing Company, Greensboro, N. C. Blue denims.

Puget Sound Bridge and Dredging Company, Seattle, Wash. Steel and combination bridges; dredging, and dredging machines. New York agents: Atlantic, Gulf & Pacific Co., Park Row building. Cable address, "Dredging," Seattle. Codes, A 1 and Western Union.

The Puget Sound Iron and Steel Works, Tacoma, Wash. Gasoline, logging and marine engines. Cable address, "Pugetiron," Tacoma. Code, Atlantic Directory.

The Pullman Company, Chicago, Ill. Steam railway cars of every description.

Punxsutawney Iron Company, 61 Erie County Bank building, Buffalo, N. Y. Works at Punxsutawney, Pa. Foundry and mill pig iron. Foreign agents: Rogers, Brown & Co.'s representatives. Codes, A B C, Lieber's, A 1 and Rogers, Brown & Co.'s private.

The Pusey & Jones Company, Wilmington, Del. Machinery for paper mills and pulp mills, sugar plantations and sugar refineries; steel steamboats, towing boats, sailing vessels, barges and lighters. Jobbers of machinery and shipbuilding materials, fittings and supplies. Foreign agents: Johnsen, Jorgensen & Wettre, London; Lorentzen & Wettre,

Christiania; R. A. Larsen, 51 Rue d'Amsterdam, Paris. Cable address, "Savery," Wilmington, Del. Codes, A B C Fourth edition, Lieber's and Western Union.

Pyle-National Electric Headlight Company, 1427 Monadnock block, Chicago, Ill. Electric headlights for locomotives; storage system of acetylene gas for cars, stations, boats, etc. Export agents: W. R. Grace & Co., New York; Mitsui & Co., New York. Cable address, "Searchlight," Chicago. Code, Western Union.

Quaker City Morocco Company, Camden, N. J. Black and colored glazed kid (chrome tanned). Foreign agents: Lindrea & Co., Bristol, England; B. Chausson, Toulouse, France; Franz Katz, Vienna; Andreas Yglesias, Barcelona; M. Levenbach, Amsterdam; Johnson & Sons, Sydney. Cable address, "Felton," Philadelphia or Camden. Codes, Widebrook and A B C Fourth edition.

Quaker City Rubber Company, 409 Market street, Philadelphia, Pa. Branches in Chicago, Pittsburg, and Toledo, Ohio. Rod packings, sheet packings, rubber belting, rubber hose of all kinds and for all purposes; cotton rubber-lined hose; rubber valves, tubing, gaskets; moulded rubber goods, mechanical rubber goods of all descriptions. Specialties: "P. P. P." rod packing, ebonite sheet packing. Jobbers of leather belting and all kinds of mill supplies. Foreign branch in London. Cable address, "Cadaniel," Philadelphia. Codes, A B C, Lieber's and private.

The Quaker Shade Roller Company, Bay City, Mich. Manufacturers of shade rollers.

Quintard Iron Works Company, 742 East Twelfth street, New York. Land and marine engines of all descriptions, high or low pressure, vertical or horizontal; gas works apparatus, pumping engines, dredging machinery; boilers, high and low pressure; castings of iron, steel or brass; smithing, turning and finishing in all their branches with all kinds of iron, brass and copper machinery; sugar machinery of all descriptions. Also repair work on all kinds of engines, boilers and machinery.

Racine Boat Manufacturing Company, Muskegon, Mich. New York office, 169 Broadway. Steel, wood and composite vessels; steam and sail yachts, launches, motor boats, turbine boats; marine engines, boilers, gasoline engines; row boats, canoes, hunting boats. Cable address, "Boatracine," Muskegon. Codes, A B C, Western Union and Lieber's.

Racine-Sattley Company, Springfield, Ill. (A consolidation of the Racine Wagon and Carriage Co., of Racine, Wis., and the Sattley Mfg. Co., of Springfield, Ill.) Other factory at Racine, Wis. A full line of goods for the implement and vehicle trade: sulky and gang riding plows, walking plows, disk riding plows, riding and walking cultivators of all kinds, single and double row corn planters, walking and riding listers; angle, pipe and U-bar harrows. Also a full line of light and heavy vehicles and farm wagons: buggies, surreys, cabriolets, station rockaways, phaetons, stanhopes, bikes, driving wagons, mountain wagons, spring wagons; express, delivery and laundry wagons; trucks, baggage wagons, vans, floats, teaming gears, farm wagons. Cable address, "Rasatco," Springfield. Codes, A B C Fifth edition, Lieber's and A 1.

Radford Brothers & Co., Oshkosh, Wis. Doors, windows, blinds and mouldings.

Railway Appliances Company. Principal offices, Old Colony building, Chicago, Ill. New York office, 114 Liberty street; Machinery Department, 107 Liberty street. Agencies in St. Louis, St. Paul, Washington,

Denver, Omaha, San Francisco and Montreal. Works, Chicago Heights, Ill. Metal cutting machinery, steam and street railway devices. Cable address, "Qusee," New York. Code, Lieber's.

Ramapo Iron Works, 170 Broadway, New York. Works at Hillburn, N. Y. Platform and box freight cars; automatic safety switch stands; split switches; bolted, yoked and plate frogs; crossings for steam and electric railways. Cable address, "Ramaliam," New York. Codes, A B C, Western Union and Lieber's.

Rand Avery Supply Company, 117 Franklin street, Boston, Mass. Steam and street railway tickets, ticket cases, dating stamps, conductors' punches, employees' time tables, public time tables, and all kinds of printed matter required by transportation interests.

The Rand Drill Company, 128 Broadway, New York. Works at Tarrytown and Painted Post, N. Y., and New York City. Air compressors for low, medium and extreme high pressures; percussion rock drills and accessories, operated by steam or compressed air; bar channeling machines; submarine drilling machinery; high explosives; rotating core drills for prospecting purposes or for artesian well boring by use of steel cutters instead of diamonds; pneumatic pumping machinery, air hoists. Foreign agents: N. Guthridge, Ltd., Melbourne and Sydney; Fraser & Chalmers, Ltd., Johannesburg and Kalgoorlie; Clarkson & Co., Vladivostok, Port Arthur and Nagasaki; Arnhold, Karberg & Co., Shanghai; L'Industrie Internationale, Paris. Cable address, "Agebishop," New York. Codes, A 1, A B C, F. & C., Lieber's and private.

Rand, McNally & Co., 116 Adams street, Chicago, Ill. New York office, 142 Fifth avenue. Publishers and printers: books, maps, pocket maps, wall maps, school maps, globes, atlases, school books, miscellaneous publications and general railroad printing; map cases, railroad ticket cases. Foreign agent: Ed. Stanford, 27 Cockspur street, London. Cable address, "Ranally," Chicago. Code, A B C.

The Ransom & Randolph Company, 514 Jefferson avenue, Toledo, Ohio. Dental cabinets, dental work benches, dental operating stools, bookkeeping systems, crown swagers. Publishers of "The Dental Summary." Jobbers of Custer ovens and annealers, airoform appliances, Watt's metal die plates, Oxpara, Arnoda, Mumaloid, Castgloss automatic gasoline burner. Cable address, "Randolph," Toledo, Ohio. Code, Western Union.

Raritan Woolen Mills, 14-16 White street, New York. Cotton warps and all-wool cassimeres, chinchillas, fancy cloakings, beavers, friezes, etc. Cable address, "Raritan," New York. Code, A B C.

Rathborne, Hair & Ridgway Company, Twenty-second and Union streets, Chicago, Ill. Wooden packing boxes and cases of all descriptions.

The C. W. Raymond Company, Dayton, Ohio. New York office, 39-41 Cortlandt street. Clay working machinery for brick, hollow ware, fire proofing, etc.; brick machinery for building brick, fire brick, paving brick, etc.; pottery machinery, tile machinery. Jobbers of engines, boilers, shafting, pulleys and belting. Foreign agents: Maxted, Knot & Coles, Hull, England; A. & G. Martine & Co., Paris; John J. McGee, Mexico City. Cable address, "Raymond," Dayton. Codes, Western Union and Lieber's.

Raymondville Paper Company, Watertown, N. Y. Mills at Raymondville, Norfolk and Canton, N. Y. News printing paper.

Raynor & Perkins Envelope Company, 115-117 William street, and 59 John street, New York. Envelopes and writing papers; pure Irish linen envelopes and papers. Imperial Irish linen envelopes and papers, "Senate" bond envelopes and papers, "Peerless" linen envelopes and

papers, United States standard linen envelopes and papers, mourning envelopes and papers. Cable address, "Raynor," New York. Code, A B C.

The Read & Lovatt Manufacturing Company, 445 Broome street, New York. Works at Elmira, N. Y., Weatherly and Palmerton, Pa. Silk throwsters, on commission only.

Reading Hardware Company, Reading, Pa. New York office, 96 Reade street. Builders' hardware, shelf hardware, "Vassar" cylinder locks, Ogden door checks, Reading transom lifters, apple parers. Cable address, "Cynoware," New York. Code, Western Union.

Reading Paper Mills, Bullitt building, Philadelphia, Pa. Mills at Reading, Pa. Book, plate, lithograph, manila and rope papers; coated book, map and lithograph papers. Cable address, "Mohr," Philadelphia. Codes, Atlantic Directory and Western Union.

The Red Cypress Lumber Company, Macon, Ga. Mills at Pretoria, Ga. Cypress, pine and hard wood.

F. E. Reed Company, Worcester, Mass. Machine tools; specialty, engine lathes, 12, 14, 16, 18, 20, 22, 24, 27 and 30-inch swing; screw cutting foot lathes, 10 inch swing; plain foot lathes, 9 and 11-inch swing; hand lathes, 9 to 26-inch swing; wood turning lathes, 10-inch swing; turret head chuck lathes, 16 20, and 30-inch swing; stud and bolt lathes, 14 and 16-inch swing; special turning lathes, 16, 20, 24 and 28-inch swing; facing lathes, 22 and 24-inch swing, with or without turrets; forming lathes, 16-inch swing; gun barrel turning and reaming and drilling machines, spindle drilling machines, 16 and 20-inch swing; rack cutters, scrapers' benches, slide rests and planer centers. Foreign agents: Fenwick Frères & Co., Paris; Chas. Churchill & Co., Ltd., London; Van Rietschoten & Houwens, Rotterdam; Otto Diechmann, Friedrichstrasse 138 Berlin; Graham Bros., Stockholm; C. & J. W. Gardner Co., St. Petersburg. Cable address, "Reed," Worcester. Codes, Lieber's, Atlantic Directory, A B C Fourth edition and private.

Reed Manufacturing Company, Erie, Pa. Combination (Pease) pliers, solid stocks and dies, adjustable (Armstrong pattern) stocks and dies, pipe cutters (Reed, Barnes & Saunders patterns), pipe vises (hinge and self locking patterns), combination pipe vises, machinists' vises, pipe tool sets, pipe wrenches, pipe hangers, beam clamps, Economy crank pin oil cups, emery wheel dressers, machinists' wrenches (English pattern), Shaw shaper (laundry machine for ironing edges of lay-down collars). Cable address, "Reed," Erie. Codes, A B C, Lieber's, Western Union and Atlantic Directory.

E. P. Reed & Co., 179 St. Paul street, Rochester, N. Y. Ladies' fine shoes. Cable address, "Reed," Rochester.

Reed & Barton, Taunton, Mass. New York office, 6 Maiden Lane. Sterling silver and silver plated ware; complete lines of hollow-ware and flat-ware for household, hotel, restaurant, club, steamship and railroad service; prizes and presentation pieces. Cable address, "Reed," Taunton. Codes, Lieber's, A B C and Western Union.

James Rees & Sons Company, Pittsburg, Pa. Machinery of all kinds; steel, iron and wooden steam boats; marine and land engines, gas engines, marine and tubular boilers. Cable address, "Rees," Pittsburg.

The Reeves Brothers Company, Alliance, Ohio. Annealing boxes, blast furnace and steel works construction, sheet iron caissons, Bessemer converters, foundry cupolas; hardening cylinders (for brick, etc.), dryers (coal, stone, etc.); moulders' flasks, brass and copper melting furnaces, smelting furnaces, galvanizing kettles (riveted and welded), tar kettles, rotary kilns for burning Portland cement, foundry ladles, cement machinery for wet or dry process. Constructors of oil refineries complete,

penstocks, riveted steel pipe, riveted and welded galvanizing pots, iron and steel self-supporting smoke stacks, standpipes. Also heavy and light steel plate construction, acid tanks, car and boat tanks, cyanide tanks, grain elevator tanks, oil tanks, water towers and tanks, and iron and steel tanks of all kinds. Cable address, "Reeves," Alliance, Ohio. Code, Lieber's.

Reeves Pulley Company, Columbus, Ind. Chicago branch, 68 South Canal street. "The Reeves" wood split pulley; "The Reeves" iron spider, wood-rim pulley; "The Reeves" wood split pulley clutch and "The Reeves" variable speed transmission. Jobbers of transmission goods in general. Foreign agents: Charles Churchill & Co., London, Birmingham, Glasgow, Manchester and Newcastle-on-Tyne; White, Child & Beney, Vienna; V. Löwener, Copenhagen; Fenwick Frères & Cie, Paris; G. & O. Braniff & Co., Mexico City; John Danks & Sons, Ltd., Melbourne and Sydney. Cable address, "Reeves," Columbus. Codes, Lieber's, A B C and private. Licensed manufacturers of "The Reeves" Transmission, controlling Germany, Austria, Hungary, Denmark, Norway and Sweden; H. Fullner, Warmbrunn, Germany, and G. Polysius, Dessau, Germany.

Reeves & Co., Columbus, Ind. Traction engines, threshing machines, clover hullers.

Paul S. Reeves & Son, 1415 Catharine street (Post office address, Station D), Philadelphia, Pa. Manganese bronze, rolled and cast; physical tests give the following results: tensile strength 75,000 to 80,000 pounds, elastic limit 30,000 to 35,000 pounds, elongation in 2 inches 20 to 25 per cent.; phosphor-bronze, rolled and cast, propeller wheels, marine castings, stereotype metals; phosphor-bronze and manganese bronze in sheets and wire; Babbitt metals and white brass; bronze castings, brass castings. Foreign agents: Pearson Brothers & Campbell, Liverpool; Donnell & Palmer, Buenos Aires. Cable address, "Tubal," Philadelphia. Code, A B C.

John Reilly, Inc., 40 Avenue C, and Murray and Astor streets, Newark, N. J. Patent and enamel leathers for collar, harness, belt, furniture, shoe, carriage and dash purposes.

Reineke, Wilson Company, Wood street and First avenue, Pittsburg, Pa. Works at Johnstown, Pa. Gas stoves, ranges and appliances. Jobbers of chandeliers and fixtures for gas and electric lighting; gas fuel and lighting supplies and appliances; iron and wood pumps. Cable address, "Reineke," Pittsburg. Code, Western Union.

Reliance Manufacturing Company, 238 Franklin street, Chicago, Ill. Factory at Michigan City, Ind. Work shirts for men and boys; brownies', youths' and men's overalls and denim jackets, etc.; also converters of cotton goods to the wholesale and manufacturing trade.

Remington Machine Company, Wilmington, Del. Ice-making and refrigerating machinery; canning, paper bag and tag machinery; Denney Improved Rider and Ericsson hot air pumping engines. Cable address, "Remington," Wilmington. Codes, Lieber's, Western Union and Atlantic Directory.

Remington Martin Company, Watertown, N. Y. Mills at Norfolk, N. Y. Paper wood pulp, sulphite pulp.

Remington Typewriter Company, 327 Broadway, New York. Works at Ilion, N. Y. Remington Standard Typewriters; Remington tabulators, Remington billing machines, "Paragon" typewriter ribbons, "Paragon" carbon paper. Branches in all parts of the world. Cable address, "Wrypeach," New York. Codes, A B C Fourth and Fifth editions, Lieber's and Western Union.

to manufacturers whose names are given in this book.

Republic Iron and Steel Company. General offices, First National Bank building, Chicago, Ill. District sales offices, New York, Pittsburg, Cleveland, Cincinnati, St. Louis, St. Paul, Birmingham, San Francisco, Butte, Portland, Ore, Salt Lake City, Joplin, Mo., and Buffalo. This company owns twenty-eight rolling mills in Pennsylvania, Ohio, Indiana, Illinois, Kentucky, Minnesota and Alabama; one Bessemer and two open-hearth steel plants; also seven blast furnaces in same States. Agricultural shapes, angles, bar iron and steel, steel billets; bolts, nuts and washers, plain and electroplated; bridge rods and roof bolts, brake pins, car axles, channel tire, cross-arm braces, cut nails, fence posts (steel), forgings, harrow teeth, light channels, pig iron, plates, pole steps, sheets (black and galvanized), spikes, splice bars, track bolts, T rails (8 to 20 pounds), turnbuckles, whiffletrees (steel). Cable address, "Republique," Chicago. Code, Western Union.

Republic Marble Company, Knoxville, Tenn. Block and sawed Tennessee marble.

The Republican Publishing Company, Hamilton, Ohio. Engraving and printing of manufacturers' catalogues. Cable address, "Republican," Hamilton. Code, Western Union.

The F. A. Requarth Company, Dayton, Ohio. Sash, doors, blinds, stair materials, newells, rails, porch columns and balusters. General contractors for the erection of large buildings, both public and private.

Restorff & Bettmann, 35-37 Bond street, New York. "R. & B." standard polishes, to wit: Glycerole (liquid) self-polishing oil dressing for black shoes; Oleole (liquid) black or russet friction polish; Bon Ole (cream) black or russet cream, in jars with screw covers; Vaserole (paste), black or russet, in tins; Creamole (cream), black or russet, in tubes with dauber and flannel; Japanole (liquid) instant permanent black stain; Blancole (paste) white canvas cleaner; Swiftole (liquid) white liquid preparation for canvas or duck shoes; Renovole (liquid) unburnable liquid cleaner for white kid and silk; Ebonole (liquid) black or russet waterproof edge dressing; Ebonola (paste) black paste in large 2⅝ in. dia. tins; Saratoga (liquid) staple self-polishing dressing for black shoes; and several other preparations, such as Linole, Whiteole, Vaserole Combinations, Oleole Combinations, etc. Foreign agents: E. Penton & Son, 1-11 Mortimer street, London; A. Rémion & Fils, Faubourg du Temple 17, Paris; A. Frédéric, 123 Langestrasse, Strasburg; A. M. Schiff, Inc., Frankfurt a/M; Brueder Wellesz, II-3 Taborstrasse 11 B, Vienna. Cable address, "Ryration," New York. Code, private.

Retting Furniture Company (Successors to Retting & Sweet), Grand Rapids, Mich. Fine parlor, pulpit and lodge furniture.

The Reuhl Moulding Manufacturing Company, 1022 West Eighth street, Cincinnati, Ohio. New York office, 606 Cable building, 621 Broadway. Picture mouldings and frames, portrait frames, framed pictures, ovals and circle frames. Publishers of carbon prints, water colors, pastelles in landscape, fruits and game. Cable address, "Reuhl," Cincinnati.

Revere Rubber Company, 77 Bedford street, Boston, Mass. New York office, 59 Reade street. Works at Chelsea, Mass. Rubber belting, hose, packings, rubber covered rolls, mats, matting, pump valves, moulded goods, and rubber goods for mechanical purposes. Foreign agents: Edward Macbean & Co., Glasgow, Manchester and London; H. P. Moorhouse, Paris. Cable addresses: "Fabric," Boston; "Shawmut," New York. Code, A B C.

The Reynolds & Reynolds Company, Dayton, Ohio. Pencil and ink writing tablets and similar school and business supplies; travelers' duplicate and triplicate order books and general line of blank books.

Rhinesmith & Simonson, Fort Wayne, Ind. Planing mill; sash, doors, mouldings, inside finish and lumber of all kinds for domestic uses, in white pine, Norway pine, southern pine, yellow poplar, basswood, white oak, birch, beech, etc.

Rhodes & Ripley Clothing Company, 72 Lincoln street, Boston, Mass. Clothing ready made.

J. S. & W. M. Rice, Hyatt, Tex. Long leaf yellow pine lumber and timber.

A. H. Rice & Co., Pittsfield, Mass. New York office, 779 Broadway. Sewing silk and silk, mohair and trimming braid. Cable address, "Abriceco." Codes, Western Union and Atlantic Directory.

Richardson, Roberts Dry Goods Company, St. Joseph, Mo. New York office, 51 Leonard street. Shirts, pants, overalls, duck clothing and duck lined clothing. Jobbers of dry goods, notions and furnishing goods. Cable address, "Richardson," St. Joseph.

Richmond Cedar Works, Richmond, Va. New York office, 36 Warren street. Wooden ware: tubs, pails, churns, ice cream packers, washing machines, clothes pins, well buckets, lard trays, dovetailed wash boards, step ladders, etc. Cable address, "Maderine," Richmond. Codes, A B C, Lieber's, Standard, Western Union.

Richmond City Mill Works, Richmond, Ind. New York agent: David S. Hays, 11 Broadway. Flour mill machinery (with special attention to dust collectors), grain cleaning machines and feed grinding machines, both buhr stone and metal. Manufacturers and jobbers of power transmission machinery and supplies. Cable address, "Millworks," Richmond, Ind. Code, Western Union.

The Richmond & Backus Company, Detroit, Mich. Stationers, binders and printers.

H. W. Rickel & Co., 502 Adelaide street, Detroit, Mich. Malt, hops, malt sprouts, barley and malt coffee.

A. G. Ricks, 712 Hennen building, New Orleans, La. President Brewers' Exchange.

Rider-Ericsson Engine Company, 35 Warren street, New York. Works at Walden, N. Y. "Rider" and "Ericsson" hot air pumping engines. Foreign branches: 71 Teniente Rey, Havana, and 22 Pitt st., Sydney. Foreign agents: Abenheim Bros., Yokohama; Baker, Baker & Co., King William's Town, South Africa; Chas. R. Cowie & Co., Rangoon, Burmah; Kabot & Co., Bulawayo, South Africa; Chalifour & Cie, Paris; Tomas Drysdale y Cia., Buenos Aires; Carlos Durieux, Magdalena, Son., Mexico; Kay Dyhr, Nyhavn 69, Copenhagen; G. North & Son, Durban; W. Wernich-Milwaukee, Mauerstrasse 81, Berlin; Oscar Wolff, 19 rue du Grand Hospice, Brussels; D. Ramon G. de Castro, Aviles, Spain. Cable address, "Delamater," New York. Codes, A B C Fourth and Fifth editions, Western Union and private.

P. Rielly & Son, Mott street and Passaic avenue, Newark, N. J. Patent and enameled leather, oak tanned, for vamps and tipping; Nikètes, chrome tanned, patent and enameled leather for vamps and tipping; patent and enameled leather for the carriage and furniture trade. Cable address, "Priellys," Newark. Codes, Lieber's, A B C and Western Union.

B. D. Rising Paper Company, Housatonic, Mass. Manufacturers of the Housatonic, Barrington and Danish bond, linen and ledger papers; also wedding and index bristols. Cable address, "Risingpaco," New York. Code, Western Union.

W. C. Ritchie & Co., 203 South Green street, Chicago, Ill. Branch at Aurora, Ill. Paper boxes and paper cans. Cable address, "Ritchieco," Chicago.

Riter-Conley Manufacturing Company, 55 Water street, Pittsburg, Pa. New York office, 39 Cortlandt street. Works at Pittsburg, Allegheny City and Leetsdale, Pa. Steel construction for all purposes, the world over. Cable address, "Ricon," Pittsburg. Codes, Lieber's and A B C.

Riverside Fibre and Paper Company, Appleton, Wis. Paper and pulp.

The Riverside Foundry Company, 26 Carter street, Cleveland, Ohio. Chilled and gray iron castings of every description for rolling mills, rod and wire mills, blast furnaces, chemical and fertilizer works, explosive works, rubber works, paint and varnish works; hydraulic cylinders, chill and sand rolls, ingot moulds.

Riverside Manufacturing Company, Anderson, S. C. Yarns, Nos. 20s to 30s, singles and two-ply; warps and skeins.

Riverside Mills, Augusta, Ga. New York office, 49 Leonard street. Machined waste, white and colored; card strippings, card flyings and all grades of cotton waste for rèspinning purposes. Cable address, "Rivermills," Augusta, Ga. Code, Sheperdson's.

Riverside Printing Company, 220 Third street, Milwaukee, Wis. Branch office, 702 Schiller building, Chicago, Ill. Printing, engraving, lithographing, electrotyping, binding. Foreign agents: John Moore, 23 Oxendon street, Piccadilly Circus, London; Arthur DeFrece, 12 Cecil court, London.

River Spinning Company, Woonsocket, R. I. Woolen and merino yarns; scouring, dyeing and carbonizing on commission.

Robbins & Appleton, 21 Maiden Lane, New York. Agents for American Waltham Watch Company, Waltham, Mass., manufacturers of Waltham watches. Foreign branches in London and Montreal. Cable address, "Robbins," New York. Codes, Waltham, A B C Fourth edition, Lieber's and Western Union.

A. Roberson & Son, Binghamton, N. Y. Doors, windows, frames, blinds, mouldings, turning and joinery. Jobbers of pine and poplar lumber. Foreign agents: Collier & Procter, Liverpool. Cable address, "Roberson," Binghamton. Codes, A B C Fourth edition, Manufacturers' Export, Atlantic Directory and private.

John Robertson & Co., 127 Water street, Brooklyn, N. Y. Hydraulic presses, pumps and valves; hydraulic presses for making lead pipe, block tin pipe, solder wire, traps and bends, squirted electric carbons, etc.; incasing electric wires and cables; embossing and stamping silver and silver plated ware; also hydraulic accumulators.

Robins Conveying Belt Company, 13 Park Row, New York. Works at Passaic, N. J. Conveying and coal handling machinery; mining cars, hoisting towers and electric locomotives. Foreign agents: Fraser & Chalmers, Ltd., London, England, Johannesburg, South Africa, and Kalgoorlie, Australia. Cable address, "Durabelt," New York. Codes, Lieber's, Western Union and A B C.

The Robinson Clay Product Company, Akron, Ohio. Works at Akron, Canal Dover, Milvale and Malvern, Ohio. New York office, Flat Iron building, Broadway and Twenty-third street. Sewer pipe, flue linings, chimney tops, stone ware, Rockingham and yellow ware, stone ware specialties, corroding pots, fire brick, paving brick, drain tile. Jobbers of cement.

The C. W. Robinson Lumber Company, 806 Gravier street, New Orleans, La. Mills in Mississippi and Alabama. All grades of yellow pine lumber, gum logs and gum lumber (known in Europe as satin walnut).

Robinson Machine Company, Monongahela, Pa. Sales offices: Old Colony building, Chicago; Frick building, Pittsburg; J. B. McClary & Co., Birmingham, Ala. Hoisting, haulage and ventilating machinery for mines; cages, transfer cars and high speed engines.

Robinson Manufacturing Company, Everett, Wash. Sash, doors and mill work.

The Robinson Manufacturing Company, 713 Jefferson avenue, Toledo, Ohio. New York office, Woods & Co., 82 Wall street. Bath cabinets, vapor and Turkish; folding water baths and shower baths and trays; O-hi-o steam cookers, ovens; copper glue tanks; O-hi-o oil stoves and kitchen specialties of all kinds. Foreign agents: Century Bath Cabinet Co., London; N. Van Beil, Villa Gaynard, Cannes, France; Aktieselskabet Sanitas, Overslotsgade 7, Christiania; George Lindahl, Stockholm. Cable addresses, "Thermal," and "Ohiocook," Toledo. Code, Western Union.

The J. M. Robinson Manufacturing Company, 325 West Second street, Cincinnati, Ohio. Metal bending machinery; cornice brakes, corrugating machines, toggle presses; hand and lever and power punching presses, shears and dies.

Rochester Optical Company, Rochester, N. Y. Cameras and photographic supplies. Foreign branch in London. Cable address, "Toncarl," Rochester. Codes, A B C and Lieber's.

Rochester Stamping Company, Anderson avenue, Rochester, N. Y. Metal specialties for household use: copper kettles, tea and coffee pots, wash boilers, pails, etc.; galvanized wares, painted tin ware and retinned ware. Jobbers of enameled ware. Cable address, "Rochstamp," Rochester, N. Y.

Rock Island Buggy Company, Rock Island, Ill. Pleasure and business vehicles; buggies, carriages, surreys, stanhopes and phaetons. Cable address, "Buggies," Rock Island.

Rock Island Plow Company, Rock Island, Ill. Walking plows, riding plows, lever harrows, disk plows, hay loaders, stalk cutters, corn planters, riding and walking corn cultivators, single and double lever disk harrows, broadcast and drill seeder attachments, potato diggers, rolling and standing coulters, riding and walking listers, double and single shovel plows. Export agent: David S. Hays, 11 Broadway, New York. Foreign agents: Whitman & Barnes Manufacturing Company, London; Smellie & Co., Brisbane. Cable address, "Ripco," Rock Island. Code, Western Union.

Rock Island Sash and Door Works, Rock Island, Ill. Sash, doors, blinds, mouldings. Jobbers of window glass. Cable address, "Revealerr," Rock Island. Code, A B C Fourth edition.

Rockford Bit Company, Kokomo, Ind. Augers, auger bits, car bits, ship augers and carpenters' chisels, machine bits for power boring.

Rockford Silver Plate Company, 202-206 South Wyman street, Rockford, Ill. New York office, 116 Broad street. Table ware, both hollow and flat, in electro gold and silver plate. Jobbers of German silver toilet goods, chafing dishes and coffee machines. Foreign agents: Muller, Maclean & Co., London.

The Rockwood Manufacturing Company, 1801 English avenue, Indianapolis, Ind. Paper pulleys, paper polishing wheels, motor pulleys, drop hammer and dynamo pulleys, friction gearing, paper and iron frictions, special boxes for friction transmission, circular saw mills; saw mill dogs, log turners, flower pot machinery, clay grinders. Foreign agents: Fogarty & Dickinson, San Luis Potosi; Holck & Co., Monterrey; Mex-

ico Mine & Smelter Supply Co., Mexico City; Julio Collignon y Cia., Guadalajara; Ch. Ludt, Paris; I. Matheson & Co., New Glasgow, N. S.; Hantsport Foundry & Mach. Co., Hantsport, N. S.; W. S. Rich, Hamburg; J. & C. Kimmel, Temesvar; A. M. Massari, Rome; Chatteris Engineering Works, Chatteris, England; Wilkinson Plow Co., Toronto; Canadian General Elec. Co., Toronto; Waterous Engine Works Co., Brantford, Canada; F. H. Andrews & Son, Quebec; Williams & Wilson, Montreal; Blasco & Co., Havana. Cable address, "Rock," Indianapolis. Codes, A B C, Western Union and Lieber's.

Rocky Mountain Bell Telephone Company, Salt Lake City, Utah. Licensees of the American Telegraph and Telephone Co.; operate telephone exchanges and toll lines throughout the States of Idaho, Montana, Utah and Wyoming.

T. A. Rodefer, Bellaire, Ohio. Specialties in colored and crystal glassware; prismatic lights for architectural iron work.

The Roessler & Hasslacher Chemical Company, 100 William street, New York. Works at Perth Amboy, N. J. Ceramic colors, acetone, chloroform, cyanide and oxide of tin. Jobbers of chemicals in general for pharmacy and the arts. Foreign agents: Deutsche Gold and Silber Scheideanstalt, vorm. Roessler, Frankfort o/M. Cable address, "Jigda," New York. Codes, A B C, Lieber's and Western Union.

Simeon L. & George H. Rogers Company, Hartford, Conn. Branch factory at Wallingford, Conn. Silver plated table flat ware.

Rogers Locomotive Works, Paterson, N. J. New York office, 33 Wall street. Steam locomotives for all kinds of service. Cable address, "Rogers," Paterson. Codes, Western Union, Lieber's and A B C.

Rogers, Brown & Co., 71 Broadway, N. Y.; Cincinnati, Chicago, Cleveland, Pittsburg, St. Louis, San Francisco, Buffalo, Boston, Birmingham. Pig iron—Ohio, New York, Virginia, Alabama and Lake Superior coke iron; basic open-hearth, Bessemer, charcoal and coke malleable pig irons; coke—foundry and furnace, from Pennsylvania, Virginia, West Virginia and Alabama. Cable address, "Rogerbrown," New York. Codes, A 1, A B C and Lieber's.

Rome Brass and Copper Company, Rome, N. Y. Brass, copper and yellow metal sheets, rods, wire, tubes, tacks and nails. Cable address, "Rombrascop," Rome, N. Y.

G. B. Rommel, Pittston, Pa. Macaroni paper, black and green pattern; starch and tobacco papers; also colored posters, and dark and light blue paper for lining boards; paper made in rolls.

The A. I. Root Company, Medina, Ohio. New York office, 44 Vesey street. Other branches in Chicago, Philadelphia, Syracuse, N. Y., Mechanic Falls, Me., St. Paul, Minn., San Antonio, Texas, and Washington, D. C. Bee-keepers' supplies: bee-hives and frames, section honey-boxes, shipping cases, honey and wax extractors, bee smokers, bee-comb foundation, comb-foundation machines, comb-foundation fasteners, perforated queen-excluders; honey, beeswax, etc. Foreign branches in Havana, Cuba, and in Kingston, Jamaica. Foreign agents: E. Bondonneau, 142 Faubourg St. Denis, Paris, for Continental Europe; Wm. Boxwell, Patrickswell, Ireland, for Great Britain and Ireland; Hooper Bros., Kingston, Jamaica; F. H. de Beche & Co., Obrapia 14, Havana; F. Lassetter & Co., and Anthony Hordern & Sons, Sydney. Cable address, "Root," Medina. Codes, Western Union and private.

Root Manufacturing Company, Cohoes, N. Y. Selling agents: Wm. Iselin & Co., 1 Greene street, New York. All-wool and merino knit underwear; men's, women's, youths' and children's underwear in wool, merino, natural gray and camel's hair.

The Root & Van Dervoort Engineering Company, East Moline, Ill. Gas, gasoline and distillate engines and accessories. Foreign agents: Agar, Cross & Co., Glasgow, Buenos Aires and New York. Cable address, "Rootvan," East Moline. Codes, A B C, Lieber's and Western Union.

The John L. Roper Lumber Company, Norfolk, Va. New York office, 18 Broadway. Manufacturers of North Carolina pine and white cedar lumber and shingles; white cedar tank and boat plank; telegraph cross arms. Foreign agents: Churchill & Sim, London. Cable address, "Rolumco," Norfolk. Codes, A B C, Western Union and American Lumberman's Telecode.

B. Rosenberg & Sons, 215-221 Decatur street, New Orleans, La. Factory, corner Bienville and Burgundy streets. Manufacturers and jobbers of boots and shoes.

H. Rosenblatt & Sons, Beloit, Wis. Pants, shirts, overalls, duck coats, etc. Jobbers of sweaters, rubber coats and underwear.

Rosengarten & Sons, Inc., Station D, Philadelphia, Pa. New York office, 133 William street. Quinine Sulphate and other salts of Quinine; Morphine Sulphate and other salts of Morphine; Potassium Bromide and other Bromides; Potassium Iodide and other Iodides; Bismuth Subnitrate; Codeine and its salts; Hydrogen Peroxide, U. S. P.; Cinchonine and its salts; Cinchonidine and its salts; Tannin; Ether; resublimed Iodine. Cable address, "Rosensons," Philadelphia. Codes, A B C Fifth edition and Western Union.

The Roseville Pottery Company, Zanesville, Ohio. Rozane art ware, color glaze jardinieres, pedestals, umbrella stands, cuspidores, etc.; also cooking ware, Bristol glazed specialties, toilet ware, and high grade art pottery.

Ross Meehan Foundry Company, Chattanooga, Tenn. Gray and malleable iron castings: car and engine castings, M. C. B. automatic couplers, blacksmiths' forges, sand dryers; caboose, station and shop stoves; a full line of M. C. B. standard patterns; steel alloy bells, agricultural malleables and special machinery to order.

Rossendale-Reddaway Belting and Hose Company, Newark, N. J. The Camel Hair Belting (Camel brand), stitched canvas belting (Sphinx brand), linen fire hose. Cable address, "Reddaway," Newark, N. J.

J. C. Roulette & Co., Hagerstown, Md. Ladies' ribbed lisle and cotton underwear.

E. N. Rowell Company, Batavia, N. Y. Druggists' pill and powder boxes.

William & Harvey Rowland, Inc., Frankford, Philadelphia, Pa. Carriage, wagon and automobile springs. Cable address, "Harverow," Philadelphia. Code, Western Union.

Royal Furniture Company, Grand Rapids, Mich. Dining room, bed room and library furniture; also high grade hall clocks.

The J. Roylance Brass Works, 112 Main street, San Francisco, Cal. General line of plumbing goods. Cable address, "Roybrass," San Francisco. Code, A B C.

John Royle & Sons, Paterson, N. J. Photo-engravers' machinery: routing machines, lining bevelers; saw tables, jig-saws, shoot boards, edgers, planers; Jacquard machinery: repeaters, lacers; piano machines; Rubber tubing machinery; insulating machines; de Laski Circular Looms. Foreign agents: P. Lawrence, 57 Shoe Lane, London; Middows Bros., Sydney; H. Calmels, 150 Boulevard du Montparnasse, Paris; Augusto

Niklaus & Co., Rio de Janeiro; A. Brandl, Jr., 20 Neuhauserstrasse, Munich. Cable address, "Royle," Paterson. Codes, Western Union and private.

T. S. Ruddock & Son, Haverhill, Mass. Women's shoes and men's bals, oxfords and slippers. Cable address, "Ruddock," Haverhill. Codes, Western Union and A 1.

Ruddock Orleans Cypress Company, Carrollton avenue and New Basin, New Orleans, La. Cypress lumber, lath and shingles. Cable address, "Rocypco," New Orleans. Codes, Western Union and private.

The Ruemmeli-Dawley Manufacturing Company, 3900 Chouteau avenue, St. Louis, Mo. Manufacturers of ice making and refrigerating machinery, equipment and supplies; ammonia valves, fittings and condensers; return tubular and marine type internally fired boilers, with corrugated furnaces, and all kinds of steel plate and sheet iron work; water cooling towers, and ice cans. Jobbers of "Carbolineum Avenarius" wood preserver, filtering materials, lubricating oils, insulating paper. Cable address, "Ruemmeli," St. Louis. Codes, A B C and Western Union.

Fred Rueping Leather Company, Fond du Lac, Wis. Chrome (box) calf in black and colors, chrome wax calf, hemlock wax calf. Foreign agents: Nicholson, Sons & Daniels, London. Cable address, "Rueping," Fond du Lac, Wis. Codes, A B C and Widebrook.

The J. W. Ruger Manufacturing Company, Chicago and Perry streets, Buffalo, N. Y. Gas and gasoline engines; all kinds of machinery for bakers' use.

M. Rumely Company, La Porte, Ind. Single and double cylinder traction engines, threshing machines, clover hullers, self feeders, wind stackers, attached stackers, steel and wood water tanks.

C. F. Rumpp & Sons, Fifth and Cherry streets, Philadelphia, Pa. New York salesroom, 683 Broadway. Chicago salesroom, 35 Randolph street. Fine and fancy leather goods; pocket-books, purses, card and leather cases, photo frames, cigar and cigarette cases, dressing cases, music rolls, jewel cases, chatelaine bags, stationery sets, writing cases, dashboard watches, perpetual calendars, traveling clocks, playing card cases, scissors cases, cuff and collar boxes, glove and handkerchief sets, manicure sets, pocket flasks, etc. Cable address, "Rumpson," Philadelphia. Codes, Atlantic Directory, Lieber's and Western Union.

Jacob Ruppert, 1639 Third avenue, New York. Brewer of lager beer.

John W. Russ Company, Haverhill, Mass. Men's McKay sewed and Goodyear welt boots and shoes.

The Russel Wheel and Foundry Company, Chene street and Belt Line railroad, Detroit, Mich. Cars of all descriptions: plantation, logging, freight, etc.; industrial railways, car castings and supplies; structural steel work, columns, trusses and buildings complete. Cable address, "Ruswheel," Detroit. Code, A B C.

The Russell Company, 50 State street, Boston, Mass. Mills at Brunswick and South Windham, Me., Mt. Tom, Mass., and Middlebury, Vt. Bleached sulphite pulp, ground wood pulp, wood pulp box and cloth boards. Jobbers of bituminous coal. Cable address, "Papyrus," Boston. Code, Lieber's.

The S. N. & C. Russell Manufacturing Company, Pittsfield, Mass. Woolen cloths, kerseys and thibets.

The Russell & Erwin Manufacturing Company, New Britain, Conn. New York office, 43-47 Chambers street. Western factory in Dayton, Ohio. Branch offices in Philadelphia, Baltimore, Chicago, Boston and San Francisco. Builders' and shelf hardware, padlocks, food cutters, car

hardware, door checks, door bells, steel squares. Jobbers of full line of mechanics' tools. Foreign branch in London. Cable addresses: "Tribute," New York; "Triangle," New Britain. Codes, A B C, A 1, Lieber's and Western Union.

Rust-Owen Lumber Company, Drummond, Wis. Cork white pine, hemlock and hardwood lumber.

J. J. Ryan & Co., 68 West Monroe street, Chicago, Ill. Plumbers' brass goods: stops and wastes for lead and iron pipe, round way stops and stops and wastes (both T and lever handle); patent guard stops and stop and waste cocks, Fuller and compression bibbs, basin and bath cocks, Boston & Doherty self-closing bibbs and basin cocks. Cable address, "Foundry," Chicago.

Saco and Pettee Machine Shops, Newton Upper Falls, Mass. Works also at Biddeford, Me. Pickers, revolving flat cards, drawing frames, railway heads, slubbing frames, intermediate frames, roving frames, spinning frames, spoolers and reels. Cable address, "Sacopettee," Newton Upper Falls. Code, A B C.

Safety Buggy Company, Lancaster, Pa. Light vehicles in white or painted; wheels, bodies, gears, tops, cushions, backs, trimmings. Jobbers of automobiles. Export agents: Strong & Trowbridge, New York. Foreign agents: W. S. Friend & Co., Sydney. Code, Western Union.

The Safety Car Heating and Lighting Company, 160 Broadway, New York. Works at Jersey City, N. J. "Pintsch" gas-lighting equipments and steamheating apparatus for railroad cars; "Pintsch" gas-lighted buoys and beacons for river and harbor lighting; control and operate sixty-three Pintsch gas works in the United States and Canada. Cable address, "Ligurian," New York.

The Safety Emery Wheel Company, Springfield, Ohio. Emery wheels and grinding machinery. Foreign agents: Pfeil & Co., London; De Fries & Co., Berlin and Düsseldorf; V. Löwener, Copenhagen and Stockholm; Adler & Eisenschitz, Milan. Cable address, "Safety," Springfield, Ohio. Code, Lieber's.

Saginaw Manufacturing Company, 122 King street, Saginaw, Mich. New York office, 44 Dey street. Washboards and wood split pulleys. Cable address, "Engrave," Saginaw. Codes, A B C, Lieber's and Atlantic Directory.

St. Joseph Iron Works, St. Joseph, Mich. Veneer lathes, wire stapling machines, automatic feed jointers and all kinds of veneer cutting, basket and fruit package machinery. Cable address, "Peelers," St. Joseph. Code, Western Union.

The St. Louis and Big Muddy Coal Company, Carbondale, Ill. Mines at Dewmaine, Ill. Bituminous coal.

The St. Louis Car Company, 8000 North Broadway, St. Louis, Mo. New York office, 29 Broadway. Also branches in Boston, Chicago, Philadelphia, Cincinnati and Chattanooga, Tenn. Cars for steam, street and suburban service; trucks, automobiles, headlights, seats, vertical wheel brakes, spiral journal bearings, brass car trimmings, gray and malleable iron castings and car supplies. Foreign branches in Mexico City, Warsaw and Cape Town. Foreign agents: H. H. Boeker & Co., Berlin; A. L. Everest, London; W. R. Morrison, Buenos Aires. Cable address, "Car," St. Louis. Codes, Standard, A 1 and A B C.

St. Louis Coffin Company, St. Louis, Mo. Hearses and undertakers' wagons, caskets and coffins, undertakers' hardware and supplies. Cable address, "Coffin," St. Louis.

St. Louis Dressed Beef and Provision Company, 3919 Papin street, St. Louis, Mo. New York branch, 10-12 West Washington market. Packers of beef, pork, veal and mutton.

St. Paul and Tacoma Lumber Company, Tacoma, Wash. New York office: Langdon & Palmer, 66-68 Broad street. Lumber (Douglas fir, cedar, spruce), lath, shingles. Cable address, "Griggs," Tacoma.

St. Regis Paper Company: general offices, Watertown, N. Y. News paper.

The Salem Iron Company, Pittsburg, Pa. Works at Leetonia, Ohio. Pig iron.

Salem Nail Company, 279 Pearl street, New York. Nails, tacks and spikes: galvanized nails, tinned nails, copper nails, yellow metal nails, zinc nails and lead nails; in addition to a complete line of common wire and cut nails, also manufacture special wire and cut nails, tacks and spikes of every description. Cable address, "Salemnail," New York. Codes, A B C and Lieber's.

Salmen Brick and Lumber Company, Ltd., Slidell, La. Branch office, 722 Common street, New Orleans. Hard burnt building and pressed front bricks, rough and dressed pine and cypress lumber, hewn and foundation piling. Jobbers of English fire brick. Cable address, "Salmen," New Orleans.

The Salt's Textile Manufacturing Company, 96 Spring street, New York. Works at Bridgeport, Conn. Silk velvets, silk and seal plushes; cotton velours, printed and plain, for upholstery purposes. Cable address, "Salts," Bridgeport. Code, A B C.

Sanborn, Vail & Co., 741 Market street, San Francisco, Cal. Frames and picture frame mouldings, room rail and curtain poles. Jobbers of stationery, trunks, leather goods, pictures, artists' materials and architects' supplies. Cable address, "Sanvail," San Francisco. Codes, A B C and Lieber's.

Sandusky Portland Cement Company, Sandusky, Ohio. Works, Sandusky, Ohio, and Syracuse, Ind. "Medusa Brand" (Sandusky) Portland cement. Cable address, "Sanport," Sandusky. Code, Western Union.

Sandusky Tool Company, Sandusky, Ohio. Carpenters' wood planes, plane irons, planters' solid steel eye hoes, wood hand screws and cabinet makers' clamps, wood bench screws, chisel and soft wood file handles, coopers' wood tools, etc. Export agent: William R. McCullough, 97 Chambers street, New York. Cable address, "Santoolco," Sandusky. Code, Western Union.

Sandwich Manufacturing Company, Sandwich, Ill. Corn shellers, hay presses, hay loaders, side delivery rakes, feed mills, horse-powers. Foreign agents: Juan & José Drysdale, Buenos Aires; G. & O. Braniff & Co., City of Mexico. Cable address, "Smada," Sandwich. Codes, A B C and Western Union.

The Sandy Hill Iron and Brass Works, Sandy Hill, N. Y. Pulp and paper making machinery; Fourdrinier and cylinder paper machines, suction screens, wet machines, barkers, splitters. Cable address, "Ibwks," Sandy Hill, N. Y. Codes, Atlantic Directory and Western Union.

Sanford Manufacturing Company, Congress and Peoria streets, Chicago, Ill. Sanford's Premium writing fluid, writing and copying inks, mucilage, Sanford's Library paste, Sanford's Utopian paste bottle, sealing wax. Cable address, "Sanfordink," Chicago. Code, Western Union.

Sargent Glass Company, Evansville, Ind. Lamp chimneys, globes, shades, lamp glass ware and electric ware.

Sargent & Co., 149 Leonard street, New York. Works at New Haven, Conn. Artistic builders' hardware, rim and mortise locks and latches. "Eclipse" door checks and springs, door bolts, cupboard bolts, cupboard turns, door handles, drawer pulls, chest handles, sash lifts, sash fasteners, screw pulleys, awning pulleys, gate latches, safety chains, iron and brass jack chains; bull rings, cow bells; molasses gates, game traps; steel squares; padlocks, hatchets, saw and bench vises, jack screws; hammers, saws, chisels, auger bits; cylinder locks, door bells, butts, spring hinges, door springs, window bolts, transom catches, screen door hardware, door pulls; coat and hat hooks, shutter bars, transom lifters, sash pulleys, shelf brackets, gate hinges; bright and brass wire hooks and eyes; wrought goods, harness snaps; Gem food choppers; awls and tools, screw drivers, iron and wood bottom planes, iron bench screws, wrenches; coffin and casket hardware. Foreign agents: John G. Rollins & Sons, London. Cable address, "Oakequal," New York. Code, Western Union.

The Sauquoit Silk Manufacturing Company, 4015 Clarissa street, Nicetown, Philadelphia, Pa. Organzines, tram, fringe, twist and hosiery silks, fast dye organzines for woolen manufacturers, insulating silks for electrical purposes, silks for upholstery manufacturers, broad silks, dress silks, umbrella silks, linings, etc.

Saugerties Manufacturing Company, Saugerties, N. Y. New York office, 395 Broadway. Blank books, tablets and envelopes.

Saxon Mills, Spartanburg, S. C. Print cloths and fancies: 38½ and 40 inches, 64x64; 40 inches, 80x80 and 80x84.

Schaber, Reinthal & Co., 305 Spring street, Cleveland, Ohio. New York office: Reinthal & Gross, 853 Broadway. Picture frame and room mouldings.

The F. & M. Schaefer Brewing Company, 114 East Fifty-first street, New York. Lager beer in kegs and bottles for export. Cable address, "Brewchef," New York. Code, Lieber's.

The Scharf Tag, Label and Box Company, Ypsilanti, Mich. Shipping, merchandise, metal edge and hook tags; stock and advertising gum labels; paper boxes; book and job printing. General agents for Empire, Thompson and Standard pin tickets. Cable address, "Labeltag," Ypsilanti. Code, Western Union.

Schaum & Uhlinger, Glenwood avenue and Second street, Philadelphia, Pa. Narrow fabric looms (ribbon, tape, label, web and suspender); battens (circular, double deck and bank); broad silk looms; hydro-extractors, Jacquard machines. Foreign agents: Maschinenfabrik Rueti, vormals Caspar Honegger, Rueti (Zürich), Switzerland. Cable address, "Schaum," Philadelphia. Code, A B C.

Oscar Scherer & Bro., 29 Spruce street, New York. Black and colored glazed kid. Foreign agents: Leopold H. Kaufman, Frankfort o/M.; George Morris & Sons, Ltd., London; C. Lembcke & Co., Melbourne and Sydney; A. J. Strauss, 61 Faubourg Poissonnière, Paris; Federico O. Rissmann, Lauria 44, Barcelona. Cable address, "Hauselt," New York. All codes.

Charles A. Schieren & Co., 47 Ferry street, New York. Tanneries in Brooklyn, N. Y., and Bristol, Tenn. Leather belting, finished belting leather for use in belting shops; lace leather; oak butts, rough or finished; harness leather, sole leather, hydraulic or cup leather. European branch, auf dem Lande 1, Hamburg. Cable address, "Schieren," New York. Codes, A B C, Lieber's and Western Union.

to manufacturers whose names are given in this book.

The Schlichter Jute Cordage Company, 21 North Front street, Philadelphia, Pa. All kinds of jute cordage, yarns and twines. Cable address, "Schlichter," Philadelphia.

Joseph Schlitz Brewing Company, Milwaukee, Wis. High grade bottled beer and malt extract. Cable address, "Schlitz," Milwaukee. Codes, A 1, A B C Fourth edition, Lieber's and Western Union.

C. Schmidt & Sons Brewing Company, 127 Edward street, Philadelphia, Pa. Brewers of lager beer (The Robert Smith Ale Brewing Company, Thirty-eighth street and Girard avenue); India pale ale and brown stout, bottled for export, packed in barrels of ten dozen. Cable address, "Schmidt," Philadelphia.

The Joseph Schneible Company, 128 Mott street, New York. System of fermenting and finishing malt liquors; modern brewery apparatus for the production of fine beers; closed delivery coolers for beer from brew-house to fermenting cellars; aerators and air filters; apparatus for collecting and compressing the gases of fermentation; coolers for correcting the temperature of beer during cellar treatment; apparatus for the use of the gases of fermentation in connection with the preparation and finishing of beer; pumps for handling beer at all stages; control governors and regulating valves for steam, air and carbonic acid gas, and constructed especially for brewery use. Foreign agents: M. Ib. Nyeboe, Copenhagen; Emil Mayer-Dinkel, Mannheim; Carl Albert, Cape Town. Cable address, "Aetomann," New York. Codes, A B C and Western Union.

E. Schneider & Co., Inc., 277 Dearborn street, Chicago, Ill. New York office: Clayton Rockhill, agent, 114 John street. Candles (especially for mining purposes), "Saponified Red Oil" (oleic acid), Crude Glycerine. Cable address, "Candles," Chicago. Code, Atlantic Directory.

Frank Schoble & Co., Ninth and Oxford streets, Philadelphia, Pa. Branches, 736 Broadway, New York, and 851 Marquette building, Chicago, Ill. Fine fur felt soft and stiff hats. Cable address, "Schoble," Philadelphia. Code, A B C.

Schoellkopf & Co., Perry and Mississippi streets, Buffalo, N. Y. Every variety of sheep leather; also pulled wool. Foreign agents: Hanisch & Sahl, 46 St. Thomas street, London; Pfister & Vogel Leather Co., Worms a/R, Germany. Cable address, "Kopf," Buffalo. Codes, Lieber's, Western Union and A B C Fourth edition.

Schoellkopf, Hartford & Hanna Company, Abbott road, Buffalo, N. Y. New York office, 100 William street. Coal tar dyes and products; aniline colors. Jobbers of chemicals and drugs. Foreign agents: Samuel Lambert & Co., London. Cable addresses: "Aniline," Buffalo; "Jubilant," New York. Codes, A B C Fourth edition and Lieber's.

Schofield, Mason & Co., Fairhill and Cumberland streets, Philadelphia, Pa. Wilton and Brussels rugs and carpets; worsted, wool and jute Carriage carpets. Cable address, "Smason," Philadelphia. Code, A B C Fifth edition.

J. S. Schofield's Sons Company, Macon, Ga. Manufacturers of steam engines of the plain slide-valve type; steam boilers of return tubular type, vertical plain and submerged tubes, and Morison internal furnace type. Jobbers of machinists' and mill supplies in general.

W. F. Schrafft & Sons, 94 Portland street, Boston, Mass. Chocolate bonbons, specialties in fine confectionery. Cable address, "Schrafft," Boston. Code, Western Union.

The Konrad Schreier Company, Sheboygan, Wis. Malt.

Schubert Bros. Gear Company, Cedar street, Oneida, N. Y. Buggies, surreys, business and pleasure wagons, sleighs and cutters, heavy and light bodies of all kinds, automobile tops and trimmings, poles and shafts, all in the white. Jobbers of wheels of all styles, axles and springs. Cable address, "Shubertgear," Oneida. Code, Western Union.

Charles Schuetz & Sons, Newark, N. J. Fine gold jewelry.

H. Schultz & Co., 6 East Superior street, Chicago, Ill. Paper boxes.

M. Schulz Company, 373 Milwaukee avenue, Chicago, Ill. M. Schulz Co., Walworth and Irving pianos; M. Schulz Co., Orleon and Orleon folding organs. Jobbers of Werner pianos. Foreign agent: H. Lange, 43 Camomile street, London. Cable address, "Schulsco," Chicago.

Max M. Schwarcz & Co., 85 Fifth avenue, New York. Ladies' cloaks and suits at wholesale. Cable address, "Emschwarcz," New York.

Scott Paper Company, Inc., Seventh street and Glenwood avenue, Philadelphia, Pa. New York office, 12 Vesey street. Toilet paper in rolls, 4½, 4¾ and 5 inches in width, made in various qualities of tissue paper and of varying contents; package toilet papers of different sizes, containing 500, 600, 700, 800 and 1,000 sheets. Cable address, "Scopaco," Philadelphia. Codes, A B C and Western Union.

R. D. Scott & Co., Pontiac, Mich. Buggies, surreys, spring wagons, road wagons, carts and Portland cutters. Cable address, "Thistle," Pontiac. Code, Western Union.

Scott-Graff Lumber Company, Duluth, Minn. Lumber, shingles, lath, pickets, doors, windows, mouldings, interior finishings in pine and the following hard woods: red and white oak, birch, ash, etc. Cable address, "Scott," Duluth. Code, Western Union.

Scovill Manufacturing Company, Waterbury, Conn. New York office, 75 Spring street. Makers of sheet brass, brass wire, German silver, military buttons; planchets for coin; bronze and nickel coin. Cable address, "Scovill," Waterbury. Code, Lieber's.

Scranton Bolt and Nut Company, Scranton, Pa. New York office, Broad Exchange building, 25 Broad street. Bar iron, bolts and nuts.

The Scranton Forging Company, Scranton, Pa. Carriage and special drop forgings.

The Scranton Supply and Machinery Company, 131 Wyoming avenue, Scranton, Pa. Jobbers of railroad, mine and mill supplies, rubber and leather belting, packing, hose, etc.; iron and wood working machinery, boilers, engines, etc. Export agents: Takata & Co., 10 Wall street, New York; Mitsui Company, 445 Broome street, New York. Foreign agents: Berrick Bros., Yokohama; The Toyo-Shokai, Yokohama. Cable address, "Coalking," Scranton. Codes, Western Union and A B C.

Scullin-Gallagher Iron and Steel Company, Manchester avenue and Kraft street, St. Louis, Mo. Steel castings.

Seabury & Johnson, 59 Maiden Lane, New York. Works at East Orange, N. J. Medical, surgical and antiseptic specialties; porous plasters, "Benson's" and other medicinal and surgical plasters; adhesive, corn, bunion, court, kid and mustard plasters, etc.; surgical and antiseptic dressings, gauze, lint, cotton, jute, oakum, wool; bandages of every variety; "Rawson" and "Saratoga" line of suspensory bandages; oiled silk and muslin; adaptable porous felt splints; catgut and silk ligatures; drainage tubes, antiseptic tablets, medicated soaps, sanitary cuspidors, sulphur candles. Foreign agents: Fassett & Johnson, London and Sydney; Louis Ritz & Co., Hamburg; Leeming, Miles & Co., Montreal. Cable address, "Plasters," New York. Code, A B C.

to manufacturers whose names are given in this book.

The Sea Gull Specialty Company, 509-515 East Lombard street, Baltimore, Md. Factory also at New Orleans, La. Baking powder.

The Seagrave Company, Columbus, Ohio. Fire fighting apparatus, hose wagons, hook and ladder trucks, ladders, aerial ladder trucks, chemical engines, etc. Code, Western Union.

Seaman-Sleeth Company, corner Forty-first and Willow streets, Pittsburg, Pa. Iron rolls (sand and chilled) and pinions for rolling mills. Cable address, "Seaman," Pittsburg. Code, Western Union.

Searchmont Automobile Company, 503 North American building, Philadelphia, Pa. Works, Searchmont (Chester), Pa. Automobiles. Cable address, "Searchmont," Philadelphia. Code, Western Union.

Searle Manufacturing Company, 701-715 River street, Troy, N. Y. New York office, 11 Washington place. Collars and cuffs for men's, women's and boys' wear.

Seattle Brewing and Malting Company, Seattle, Wash. Lager beer, Rainier bottle and Bohemian draft beers. Foreign agents: Shrager Bros., Calcutta; M. J. Connell, Manila and Hongkong; Dallas & Co., Shanghai; A. R. Marty, Haiphong; Boyes & Co., Kobe and Yokohama; China and Japan Trading Co., Nagasaki; Gallin & Co., Sydney. Cable address, "Rainier," Seattle. Codes, A 1, A B C, Lieber's and private.

Seattle Electric Company, Seattle, Wash. Electric power and light. Cable address, "Furth," Seattle. Code, Lieber's.

Seattle Mattress and Upholstery Company, Seattle, Wash. Manufacturers of wire mattresses, top mattresses, lounges, couches, pillows, kitchen cabinets, parlor and dining tables. Jobbers of iron beds and upholsterers' goods.

Sebring Pottery Company, Sebring, Ohio. General line of porcelain dinner, tea and toilet ware.

D. M. Sechler Carriage Company, Moline, Ill. Vehicles of all kinds and corn planters. Codes, Manufacturers' and Western Union.

Sechler & Co., 538 East Fifth street, Cincinnati, Ohio. Carriages: full line of carts, carriages, phaetons, spring wagons and buggies. Cable address, "Carriages," Cincinnati. Codes, A B C Fourth edition and private.

A. B. See Electric Elevator Company, 220 Broadway, New York. Branch offices, Real Estate Trust building, Philadelphia, and 218 West Fayette street, Baltimore. Works at Pacific avenue, Jersey City. Passenger and freight Electric Elevators.

Seemann, Peters & Heim, 307 Tuscola street, Saginaw, Mich. Blank books, half tone engraving, wood engraving, etching, electrotyping, and printing and binding of all kinds.

The J. W. Sefton Manufacturing Company, 241 South Jefferson street, Chicago, Ill. Factory also at Anderson, Ind. Paper oyster and ice cream pails, pulp pie plates, paper butter dishes, cigar cases, cake and confectionery boxes; paper boxes for groceries, cereals, dried fruit, butter, tea, coffee, soap, etc.; medicine and display cartons; suit, hat, flower, candy and tobacco boxes; millinery and confectionery bags; egg carriers; corrugated paper and its products, bottle and silk wrappers, shipping boxes, egg boxes, mailing envelopes, partitions, etc. Cable address, "Seftonile," Chicago. Code, Western Union.

R. B. Seidel, Inc., 1324-1334 Callowhill street, Philadelphia, Pa. Black lead crucibles for melting gold, silver, bronze, brass, nickel and steel; also stoppers and nozzles for open-hearth and Bessemer ladles, etc.

William Sellers & Co., Inc., 1600 Hamilton street, Philadelphia, Pa. Machine tools, including boring machines, drilling machines, boring and turning mills, lathes, planing machines, milling and slabbing machines, slotting machines, shaping machines; steam hammers; steam, hydraulic and pneumatic riveting machines; bending and straightening rolls, punching and shearing machines, wheel presses, bolt and nut screwing machines, tool grinding and drill grinding machines; sand mixing machines, testing machines; traveling cranes, swing cranes, hoisting machinery, turntables, shafting, injectors, etc. Cable address, "Sellers," Philadelphia. Codes, A 1, A B C Fifth edition and Lieber's.

The Selling Company, 186 Front street, New York. Sole agents for Hemolin (patented), Morin yellow (patented), logwood fustic and sumac extracts. Foreign agents: W. C. Barnes & Co., Ltd., London; Hy. Markwald, Melbourne; Carl Barolin, Vienna. Cable address, "Sellco," New York. Codes, A B C Fourth edition and private.

Seneca Camera Company, Rochester, N. Y. Seneca cameras, tripods, view cameras. Jobbers of lenses and shutters. Cable address, "Seneca," Rochester, N. Y. Codes, Lieber's and Western Union.

The Seneca Falls Manufacturing Company, Seneca Falls, N. Y. Screw-cutting engine lathes, 9, 11, 12, 14 and 16-inch swing; special bench screw-cutting engine lathes, 9 and 11-inch swing; screw-cutting lathes, foot power, 9 and 11-inch swing; speed lathes, 10 and 12-inch swing; wood turning lathes, 10, 12 and 14-inch swing, and wood working machinery for belt or manual power. Foreign agents: Montgomery & Co., Paris; Chas. Churchill & Co., Ltd., London; Schuchardt & Schütte, Berlin, and branches in Continental Europe. Cable address, "Davis," Seneca Falls. Codes, Lieber's, Western Union and private.

Seneca Glass Company, Morgantown, W. Va. Full lines of fine lead blown bar and table glassware, cut, plain, enameled, sandblast, plate etched, needle etched and gold decorated; tumblers, stemware, finger bowls, sherbets, custards, nappies, jugs, decanters, vases, tankards, water bottles, oil bottles, wine and water sets, etc. Code, Adams Ninth edition.

The Sessions Foundry Company, Bristol, Conn. Iron castings to order. Cable address, "Sessions," Bristol. Codes, Atlantic Directory and A B C Fourth edition.

J. H. Sessions & Son, Bristol, Conn. Trunk hardware, bolts, hinges, corners, clamps, rollers and stays; carriage hardware, light steel washers, steel burrs and felloe plates.

The Sevres China Company, East Liverpool, Ohio. Semi-porcelain and decorated specialties; hand painted, celebrated "Lukgud" and Old Sevres Cherry China wares; also Bright gold printed decorations. Jobbers of special gold coin assortments and ten cent goods.

The Sewing Machine Supplies Company, 170 Lincoln street, Boston, Mass. Shoe machinery, round leather belting, belt hooks, shoe cutters, handles and blades, leather marking crayons, seam welting for shoes, blacking, shoe finishing waxes, liquid McKay wax, raw-hide mallets, shoe findings. Jobbers of sewing machine needles. Foreign agents: R. G. Noble, 431 Chacabuco, Buenos Aires; American Supplies Co., London. Cable address, "Sewmac," Boston. Codes, Western Union and A B C.

The Seybold Machine Company, Dayton, Ohio. New York office, 70 Duane street. Also branch in Chicago. Machinery for bookbinders, printers, lithographers, paper mills, etc.; paper cutters, duplex trimmer, Seybold continuous feed trimmer, embossers, embossers with feeding attachment, Seybold compressor, knife grinders, signature

presses, smashers, die presses, power round corner cutters, backing machines, bench lever stampers, balanced platen standing press, etc. Foreign branches in London, Berlin and Toronto. Cable address, "Seyboldco," Dayton.

Henry T. Seymour Shear Company, New York. Wiebusch & Hilger, Ltd., 9 Murray street, New York, sole agents. Shears and scissors of all kinds.

M. B. Shantz Company, Rochester, N. Y. Branch salesrooms: 13 Astor place, New York; 24 Kingston street, Boston; 20 South Paca street, Baltimore; 688 The Bourse, Philadelphia; 238 Franklin street, Chicago; 21 West Third street, Cincinnati. Ivory buttons.

Sharon Steel Hoop Company, Sharon, Pa. Hoops, bands, cotton ties, billets and sheet bar. Cable address, "Sharonhoop," Sharon. Code, Western Union.

P. M. Sharples, West Chester, Pa. Cream separators. Foreign agents: Dairy Outfit Co., London; American Tubular Separator Co., Hamburg; S. Plissonnier, Lyons; Henry W. Peabody & Co., Sydney; Runciman & Co., Buenos Aires. Cable address, "Sharprus," Philadelphia. Codes, A B C and Lieber's.

The Shaw-Walker Company, Muskegon, Mich. Chicago salesrooms, Marquette building. Office files, office furniture and systems. Jobbers of multi-cabinet goods. Foreign agents: J. J. Stockall & Sons, Ltd., 6 Clerkenwell road, London, E. C.; Peacock Bros., 558 Collin street, Melbourne. Cable address, "Shawwalk," Muskegon. Code, A B C.

Sheboygan Chair Company, Sheboygan, Wis. Chairs.

The Shelby Electric Company, Shelby, Ohio. Incandescent electric lamps, arc lamps and reflectors. Cable address, "Shelbark," Shelby. Code, A B C.

Shelbyville Wardrobe Manufacturing Company, Shelbyville, Ind. Sideboards and Buffets. Cable address, "Sideboard," Shelbyville. Code, Western Union.

Sheldon Axle Company, Wilkes-Barre, Pa. Wagon and carriage axles and springs. Foreign agents: H. S. Chipman, 54 Margaret street, Sydney; C. H. Williams-Thompson, Buenos Aires. Cable address, "Sheldaxle," Wilkesbarre. Code, Western Union.

Sheldon Novelty Company, Kankakee, Ill. Mission library furniture, grilles, screens, easels, medicine and music cabinets, ladies' and combination desks and a full line of wood novelties.

Isaac A. Sheppard & Co., 1801 North Fourth street, Philadelphia, Pa. Stoves and ranges, gas ranges, hot-air furnaces, hot water and steam heating apparatus for domestic use.

The Sherwin-Williams Company, 104 Canal street, Cleveland, Ohio. Works also at Chicago, Newark, N. J., and Montreal, Canada. Export department, Newark, N. J.; New York office, 66 Broadway. Paints and varnishes; paints for buildings, railroads, street railways and for manufacturing concerns. Cable address, "Sherwin," New York. Codes, Lieber's, Western Union and private.

Sherwood Manufacturing Company, 1702-1712 Elmwood avenue, Buffalo, N. Y. Manufacturers of engine and boiler supplies, injectors, ejectors, boiler tube cleaners, glass body and plain brass oil cups, sight feed lubricators, hand cylinder oil pumps, automatic sight feed oil pumps, flue scrapers and blowers, oiling devices, gauge cocks and grease cups. Also automobile specialties; brass, bronze and aluminum castings, and special brass work of all kinds to order. Foreign agents: Green & Boulding, London. Cable address, "Injector," Buffalo. Code, A B C.

Shevlin Carpenter Co., Minneapolis, Minn. Lumber.

Samuel J. Shimer & Sons, Milton, Pa. Patent cutter heads, cutters, knives and bits for working wood. The Shimer cutter head and shear cutting cylinders; reversible and one-way cutters, planing machine knives, moulding bits and blanks.

Dr. Shoop Family Medicine Company, Racine, Wis. Proprietary medicines.

Shove Mills, Fall River, Mass. Cotton goods.

T. Shriver & Co., 347 East Fifty-sixth street, New York. Filter bags; grate bars; phosphor-bronze; aluminum, brass, bronze, copper and iron castings; machinery and gun iron castings; manganese-bronze and phosphor-bronze castings; filter and press cloths; electric and hand power cranes; gas and gasoline engines and motors; kerosene engines; naphtha engines; hoisting, portable, pumping and marine engines; filter presses; gearing; machine moulded gears; pump governors; electric and hand hoists; hoisting machinery; power transmission machinery; sugar house machinery; vacuum pans; piano plates; letter copying presses; propellers and propeller wheels; cast iron pulleys; hydraulic presses; sheave wheels and rope transmission sheaves; oil separators; steam separators. Cable address, "Shrivernco," New York. Code, Western Union.

Shuler & Benninghofen, Hamilton, Ohio. Woolen felts and jackets for paper makers' use.

Shultz Belting Company, 402 Barton street, St. Louis. Mo. Sable rawhide belting and rawhide lace leather; belting cement and belt dressing. Foreign agents: Chas. Churchill & Co., Ltd., London; John M. Sumner & Co., Moscow; Wilh. Sonesson & Co., Malmö, Sweden; John M. Sumner & Co., Milan; Hamilton & Co., Ltd., Johannesburg. Cable address, "Shultz," St. Louis. Codes, A B C, Western Union and Lieber's.

The F. B. Shuster Company, 133 Mill River street, New Haven, Conn. Special automatic machinery: wire and hot rolled stock straightening and cutting machinery; automatic wire forming, straightening and cutting machinery; roll and rotary wire straighteners; riveting machines, elastic rotary blow; foundry machinery: power and foot-power sprue cutters; adjustable drilling and countersinking machines; double, toggle and pendulum foot presses; butt drilling and milling machines; multiple spindle drilling machines; buckle tongue machines; cotter pin machines; automatic shear and barbed staple machines; automatic sheet metal and strip stock straighteners and cutters; automatic cold roll pointing machines; hoop rounders; ring forming machines; automatic Lingoe and Jacquard needle forming machines. Foreign agents: Chas. Churchill & Co., London and Manchester; Selig, Sonnenthal & Co., London; Schuchardt & Schütte, Berlin, Vienna, Brussels and St. Petersburg; J. Herbet, Paris; Fenwick Frères & Cie, Paris. Cable address, "Adt," New Haven. Codes, Lieber's, Manufacturers' Export and Western Union.

The Sibley Manufacturing Company, Augusta, Ga. Sheeting, shirting, drills, ducks, plaids, stripes. Dobby styles.

The Sidney Steel Scraper Company, Sidney, Ohio. Road scrapers and wheelbarrows; wheeled scrapers, drag scrapers, tongue and Fresno-Buck scrapers; steel tubular wheelbarrows, wood frame steel tray dirt barrows and garden barrows. Cable address, "Haslup," Sidney. Codes, Western Union, Lieber's and A B C.

The Sigourney Tool Company, Hartford, Conn. Drill presses (sensitive), machines for book sewing, making cases for books, book trim-

ming and gluing, and for cutting cloth for book binders. Foreign agent: F. R. Daldy, 5 Torrens street, London, for book binders' machinery. Cable address, "Sigtool," Hartford. Code, A B C.

Sikes Chair Company, 500 Clinton street, Buffalo, N. Y. New York office and salesroom, 111 Fifth avenue. Chicago office and salesroom, 1319 Michigan avenue. Factory at Philadelphia, Pa. Dining, rocking and Morris chairs.

Sill Stove Works, Rochester, N. Y. Stoves and ranges for coal, wood or gas.

The Silver Manufacturing Company, Salem, Ohio. "Silver's" new taper hub-boring machines, "Silver's" old standard hub-boxing machines, "Dole & Deming" spoke tenon machines, "Silver's" new band saws; "Silver's" and "Advance" post drills, hand and power; "Silver's" 20-inch base drills, "Silver's" portable forges; genuine Wagner sausage stuffers, plain screw lard press, "Hercules" tallow press, "Silver's" ham preserving pump; "Ohio" lever cutters, "Ohio" feed cutters (hand and power), "Pony" hand feed cutters, "Ohio" ensilage cutters, "Ohio" dry fodder shredders, ensilage chain and blower elevators. Cable address, "Silver," Salem. Codes, A B C Fourth edition, Lieber's and Western Union.

John Simmons Company, 110 Centre street, New York. Wrought iron, cast iron and brass pipe, boiler tubes; cast, malleable iron and brass fittings; cast-iron soil pipe and fittings, iron and brass valves and cocks, pipe hangers; iron, brass and copper pipe, bent or coiled; compression and ground key bibbs, valve reseating machines, water meters, fire hydrants, fire extinguishers, lavatories and plumbers' supplies; Victoria acetylene generators, and full line of fittings and fixtures for same; estimates furnished for village and town lighting. Also all supplies and specialties for steam, gas, water, oil and electrical engineering. Cable address, "Ironpipe," New York. Codes, A B C, Atlantic Directory and Lieber's.

R. F. Simmons Company, Attleboro, Mass. New York office, 9 Maiden Lane; Chicago office, 126 State street. Gold filled watch chains, fobs, chatelaine pins, eyeglass chains, bracelets, neck chains, lockets and seals. Jobbers of fob ribbons, silk vest and guard chains and braid. Foreign agents: J. C. Plimpton & Co., Plimpton buildings, Old Hall street, Liverpool; P. W. Ellis & Co., Toronto; C. Daubresse. Gosselies, Belgium; P. J. Christoph, Rio de Janeiro; J. H. Van Hasselt, Havana, Joseph Schwartz, Honolulu. Cable address, "Simmons," Attleboro. Codes, Western Union and Atlantic Directory.

The Simmons Manufacturing Company, 192 Michigan avenue, Chicago, Ill. New York office, 520-524 West Twenty-fourth street. Works, Kenosha, Wis. Iron, brass and spiral spring beds, metal couches, woven wire mattresses, cots (woven wire and canvas), folding chairs; cribs, cradles and children's beds; brass tubing and bedstead trimmings.

Simonds Manufacturing Company, Fitchburg, Mass. Works, Fitchburg, Mass., and Chicago, Ill. Saws and machine knives: circular, inserted tooth, band, crosscut, hand, vertical, and inserted tooth grooving saws; planer, belt, tobacco, and machine knives. Foreign agents: W. P. Notcutt, 19 High Holborn Viaduct, London; Sussfeld, Lorsch & Cie, Paris; J. Lambercier & Cie, Geneva; J. C. Gutmann, Genoa.

The A. A. Simonds & Son Company, Dayton, Ohio. Manufacturers of machine knives, bars and plates; planing machine knives, shear blades, paper trimming knives, wood-working knives, rag and chipper knives for paper mills, bars and plates for paper mills.

The Simplex Electrical Company, 110 State street, Boston, Mass. Works at Cambridge, Mass. Insulated wire and cable. Cable address, "Innosam," Boston.

Simplex Railway Appliance Company, Hammond, Ind. New York office, 141 Broadway. Chicago office, Fisher building; St. Louis office, Frisco building. Body and truck bolsters; brake beams, roller side bearings and coil and elliptic springs for all classes of railroad cars and locomotives.

T. M. Sinclair & Co., Limited, Cedar Rapids, Iowa. New York office, H. H. Gamble, 1 Broadway. Hams, bacon, lard. Foreign agents: W. P. Sinclair & Co., Liverpool; Moorhead, Watson & Co., Glasgow; Gustav J. J. Witt, Hamburg; G. J. J. Witt & Co., Rotterdam; J. A. Boks, Antwerp; Ducot & Marchou, Bordeaux; Provision Import Co., Copenhagen; Andresen & Muller, Christiania. Cable address, "Sinclair," Cedar Rapids. Codes, Sinclair and Utility.

The Sinclair Scott Company, Wells and Patapsco streets, Baltimore, Md. Canning house machinery, friction clutch pulleys and hardware specialties.

The Sinker-Davis Company, 230 South Missouri street, Indianapolis, Ind. Saw mills; band and circular saw mill machinery and equipment; "Hoosier" automatic rip sawing machines; "Hoosier" variety wood workers; "King" governors for engines; engines and boilers. Cable address, "Sinker," Indianapolis. Codes, Western Union and Atlantic Directory.

Skandia Furniture Company, Rockford, Ill. New York office, 428 Lexington avenue, Furniture Exchange. Furniture: book cases, desks, sideboards, buffets, china closets, parlor cabinets, mirrors and frames.

The Skenandoa Cotton Company, Broad and Milgate streets, Utica, N. Y. Hosiery yarns, sold direct to the knitting trade.

The J. M. Skinner Bending Company, Broadway at Wabash crossing, Toledo, Ohio. Bent felloes and wagon hounds, rough pole circles and dimension stock. Foreign agent: Hans Bobsin, Hamburg. Cable address, "Skining," Toledo.

Wilbur Slack, Trenton, N. J. Wagon and carriage wheels and wheel material.

Slater Cotton Company, 49 Church street, Pawtucket, R. I. Fine cotton goods: fancies, nainsooks, lenos, mercerized waistings, "Pride of the West" sheetings and shirtings.

Sligo Iron and Steel Company, Connellsville, Fayette county, Pa. Charcoal and common iron bars; charcoal, common iron and steel sheets and plates.

Smith Brothers, 13-15 Market street, Poughkeepsie, N. Y. Smith Brothers' S. B. cough drops.

The Smith Premier Typewriter Company, Syracuse, N. Y. New York office, 287 Broadway; salesrooms, 338 Broadway. Smith Premier typewriting machines and appliances. Foreign branches in London, Paris, Berne, Budapest and Berlin. Also foreign representatives in San José, Costa Rica; City of Mexico; Halifax, N. S., Montreal, Ottawa, Toronto, Vancouver, B. C., and Winnipeg; Panama; Douglas City, Alaska; Manila and the Hawaiian Islands; Havana; San Juan, Porto Rico; Lima, Buenos Aires, Santiago, Chile, and Iquique; Barcelona, Lisbon, Oporto, Athens, Genoa, Rome, Cairo, Vienna, The Hague, Gothenburg, Copenhagen, Iceland, Helsingfors, Moscow and St. Petersburg; Sumatra, Bangkok and Singapore; Cape Town, Port Elizabeth and Durban; Sydney and Melbourne. Cable address, "Premier," Syracuse. Codes, A B C Fourth and Fifth editions, Lieber's, A 1, Western Union and private.

C. A. Smith Lumber Company, Minneapolis, Minn. White and Norway pine lumber and box shooks. Cable address, "Casmith," Minneapolis. Code, Western Union.

C. A. Smith Timber Company, 410 Andrus building, Minneapolis, Minn. Logs and lumber. Jobbers of timber. Cable address, "Casmith," Minneapolis. Code, Western Union.

The H. B. Smith Company, Westfield, Mass. Steam and water heating apparatus. Foreign agents: Aug. Eggers, Bremen; H. Munzing, London.

The H. B. Smith Machine Company, Smithville, N. J. Branches: 123 Liberty street, New York; also Boston and Chicago. Wood-working machinery for sash, door and blind factories, furniture and cabinet shops, railway car shops, planing mills, etc., consisting of floorers, planers, matchers, and all kinds of surface planers; inside and outside moulding machines, double-end and single-end tenoners, reciprocating mortisers, triple drum sanders, sawing machines, etc. Foreign agents: Adolfo Horn, Havana; Williams & Wilson, Montreal; A. R. Williams Machine Co., Toronto; Mexico Mine & Smelter Supply Co., City of Mexico; F. Danner, 39 Victoria street, London; Parke & Lacy Co., Sydney; Sussfeld, Lorsch & Cie, Paris; C. S. Christensen, Christiania; Wilh. Sonesson & Co., Copenhagen; H. S. Tanaka & Co., Tokio. Cable address, "Smith." Smithville, N. J. Codes, A B C Fourth edition, Western Union, Lieber's and private.

Hugh Smith, Inc., 210 Central avenue, Newark, N. J. Patent and enameled leather: shoe patent leather, in sides, for shoe tipping, vamps, quarters and facings; carriage trimming and upholstery leathers. Foreign agents: Schlösser Brothers, London. Code, Widebrook's Leather Code.

J. Allen Smith & Co., Inc., Knoxville, Tenn. Flour, meal and feed.

Levi Smith, North Clarendon, Pa. A full line of lubricating and illuminating oils, gasolines, naphthas, wax, etc. Cable address, "Smith," Clarendon, Pa. Code, private.

Shea Smith & Co., 18-20 Custom-House place, Chicago, Ill. Branch at 177 Broadway, New York. Letter copying and impression books for banks, insurance companies, railroads and general offices; printers, general stationers and manufacturers of blank books, etc. Cable address, "Rosalva," Chicago. Codes, A B C and Western Union.

Thomas Henry Smith, Jamestown, N. Y. Cotton warps extra quality, 30s and 40s, single and ply; batting in rolls 38 inches wide for mattress makers' and upholsterers' use. Cable address, "Yorksmith," Jamestown. Code, Atlantic Directory.

Smith & Anthony Company, 52 Union street, Boston, Mass. Works, Wakefield, Mass. Heating and ventilating engineers: stoves and ranges for all uses; hot water and steam heaters, hot air furnaces, hotel and restaurant kitchen outfits, "Sanitas" plumbing specialties, air drying appliances for all uses, special machinery for drying coated and tub-sized papers. Cable address, "Sanitary," Boston. Code, private.

The Smith & Egge Manufacturing Company, Bridgeport, Conn. New York office, 62 Reade street; J. J. Halpin, representative. Sash chains, plumbers' chains, pipe straps, padlocks and closet pulls. Cable address, "Bantam." Code, A B C.

Smith & Wesson, Springfield, Mass. Revolvers. Foreign agents: Chas. Osborne & Co., Birmingham; André, Schaub & Pioso, Paris; Markt & Co., Hamburg; Max Fiedler, St. Petersburg; A. Combaluzier, Mexico City; Carlos Razetti, Buenos Aires. Cable address, "Wesson," Springfield, Mass. Codes, A B C and Western Union.

Sneath Glass Company, Hartford City, Ind. New York office: C. B. Marter, 42 West Broadway. Lantern and lamp globes; semaphore, engine and switch light lenses; Fresnel globes and sections for steam and sail-boat lamps and signals.

The Snider Hughes Company, Sheridan street and Erie railway, Cleveland, Ohio. Steam pumps; boiler feed, circulating, brewers', fire, elevator and quarry pumps; hydraulic pumps; oil, varnish and paint pumps. Foreign agents: British Steam Specialties, Ltd., Leicester, Eng.; J. & H. W. Van der Ploeg, Grouw, Holland. Cable address, "Sniderhuse," Cleveland.

Geo. G. Snow Company, 102 Lincoln street, Brockton, Mass. Men's fine welted shoes. Foreign agents: American Boot & Shoe Syndicate, London; Bedggood & Co., Melbourne; W. M. Cuthbert & Son, Johannesburg; Gavin Gibson & Co., Sydney; C. S. Seng, Penang; D. S. Dady Burjor, Hongkong. Cable address, "Snow," Brockton. Codes, A B C, Lieber's and Adams.

Solid Steel Tool and Forge Company, 2321 Farmers' Bank building, Pittsburg, Pa. Works at Brackenridge, Pa. Track, mining, blacksmiths' and boilermakers' tools; sledges, nut locks, and a general line of car and other forgings.

John Sommer's Son, 355 Central avenue, Newark, N. J. Wooden faucets of every description and specialties in woodenware: cork lined, leather lined and metal key faucets; air vents, bung starts, bottle corkers, bungs, cider taps, clothes line and fish line reels, dumb bells, wooden grain scoops, handles, lemon squeezers, mallets, measures, wooden malt-house shovels, ten pins, domestic wooden utensils and wood turnings.

Leonce M. Soniat, Dorcyville, La. Sugar and molasses.

South Bend Chilled Plow Company, South Bend, Ind. Chilled and steel walking plows, single and double riding plows, single and double disk riding plows, stalk cutters, harrows, walking and riding cultivators, single and double shovel plows. Cable address, "Chilled," South Bend. Code, A B C Fourth and Fifth editions.

South Bend Woolen Company, South Bend, Ind. New York office, 51 Leonard street. Manufacturers of fancy cassimeres.

South Chester Tube Company, Chester, Pa. Steam and line pipe, drive pipe, tubing and casing for artesian, oil, gas and salt wells. Code, Lieber's.

Southard Robertson Company, 257 Water street, New York. Works at Peekskill, N. Y. Stoves and ranges of every description, adapted for burning any kind of fuel, either anthracite or bituminous coal, wood or gas—trademark, "Magnetic;" furnaces for hot air or hot water; cast iron lawn flower vases. Cable address, "Diapason," New York. Codes, A B C and private.

Southern Clay Manufacturing Company, Chattanooga, Tenn. Works at Robbins, Tenn.; Coaldale, Ala.; Chilhowie, Va. Paving, fire and chemical bricks. Foreign agents: Jas. B. Clow & Son, Havana. Cable address, "Robbins," Chattanooga. Codes, Western Union and Lieber's.

The Southern Cotton Oil Company, 24 Broad street, New York. Works in various southern states. Cotton seed oil in all grades, cotton seed cake, cotton seed meal, hulls, linters; lard compound; soap and soap stock, and all other products of cotton seed. Foreign agents: D. T. Boyd & Co., London and Glasgow; Bramwell Fern & Co., Manchester; Pay & Brink, Christiania; Theo. Sack, Stockholm; Pay & Co., Copenhagen; H. Pfeiffer, Hamburg; Sandal Kalz, Hamburg; Chr. Eckhardt,

Hamburg; C. Bickenbach, Berlin; H. Morsberger, Bremen; C. A. Caesar, Bremen; M. Pincoffs, Antwerp; Pluygers & Co., Rotterdam; H. Beau & Cie, Marseilles; Wm. Mason, Havre; Woeber & Lea, Bordeaux; H. Kuhn & Co., Genoa; G. Cuchetti, Venice; H. Jeannot & Golay, Geneva; F. A. Véron, Berne; Nittner & Co., Trieste; Parlato Bros., Malta; Nittner & Slaviz, Oran; H. F. Besosa & Co., San Juan, Porto Rico; Geo. Vincent & Hughes, Barbados; F. A. Lay, Havana; H. Moreau & Co., Sydney. Cable address, "Socotoilco," New York. Codes, A B C Fourth and Fifth editions, Atlantic Directory, Lieber's, Baltimore Export and Southern's private.

Southern Iron and Equipment Company, Prudential building, Atlanta, Ga. Locomotives, narrow and standard gauge, and freight and passenger cars (second hand) rebuilt. Dealers in steel rails.

Southwark Foundry and Machine Company, Washington avenue and Fifth street, Philadelphia, Pa. Stationary steam engines, Porter-Allen and Corliss types; blowing engines for blast furnaces, steel works and smelters; reversing engines for steel works; centrifugal pumps, water works pumping engines, condensers. Cable address, "Southwark," Philadelphia. Codes, A 1 and A B C.

The Southwark Mills Company, Eighth and Tasker streets, Philadelphia, Pa. Men's wear, ladies' cloaking and ladies' piece dye dress goods, wool and worsted.

Spang, Chalfant & Co., Inc., People's Savings Bank building, Pittsburg, Pa. Works at Etna, Pa. Iron and steel tubular goods. Cable address, "Spang," Pittsburg. Codes, A B C Fourth edition and private.

W. W. Spaulding & Co., Haverhill, Mass. Salesrooms: 182 Lincoln street, Boston, Mass.; Bradford avenue, Red Cross street, London, E. C. Lace and button boots in glacé, black and colored; also low cuts. Cable address, "Spaulding," Haverhill. Codes, A B C Fourth edition and Western Union.

Spencer Wire Company, Worcester, Mass. Works also at Spencer, Mass. Iron and Bessemer steel wire and wire goods; music wire, tempered wire; colors for paint and paper makers; bottlers' wire supplies, florists' wire supplies; springs, paper clips, fencing, snow guards, wire buckles and loops, tinners' rings and clips, brass plated drapery rods, croquet wickets, towel racks, skewers, dead lock fasteners, mantle supports.

E. L. Spencer Company, Inc., Providence, R. I. Solid gold jewelry—gold rings, brooches, scarf pins, screw and swing drops, link buttons, studs, heart charms and pendants, baby pins, chain sets, blouse sets, collar buttons, eyeglass chains and hooks. Cable address, "Pencesco," Providence. Code, Western Union.

The Spencer & Barnes Company, Benton Harbor, Mich. Dressing cases, chiffoniers, toilet tables, bedsteads, ladies' parlor desks, costumers, in mahogany, quartered oak, curly birch and bird's eye maple. Catalogue issued.

Sperry Flour Company, 133 Spear street, San Francisco, Cal. Twelve mills at various places in California. Flour and cereals of all kinds. Foreign agents: Sperry Flour Co., Hongkong; Mustard & Co., Shanghai; Warner Barnes & Co., Manila. Cable address, "Sperry," San Francisco. Codes, Lieber's and A B C Fifth edition.

Spiegel Furniture Company, Shelbyville Ind. Chiffoniers, dressers and washstands. Cable address, "Chiffonier," Shelbyville. Code, Western Union.

Split Rock Lumber Company, Duluth, Minn. White pine lumber.

The Springfield Bridge and Iron Company, 927 East Cook street, Springfield, Ill. Structural steel, steel bridges, tanks, coal tipples, water towers, steel pipe, aqueducts and viaducts. Jobbers of structural shapes.

Sprout, Waldron & Co., Muncy, Pa. Flour mill engineers, founders and machinists, established 1866. Wheat and corn (maize) milling machinery and mill supplies of all kinds; roller mills and vertical French burr mills for grinding of all kinds of cereals; "Turkey" emery rock mills for grinding paint, phosphate, carbon, lime stone, or any material of gritty nature; 3-pair high roller mills for grinding all kinds of feed, cracking corn and making special products for distillers, etc.; "Attrition" steel mills for grinding feed meal, oil cake, linseed cake, rice, chaff, sugar, spices, etc.; oil cake breakers, ore crushers, corn ear crushers, corn meal sieves, corn meal bolts, hand and power corn shellers, elevators, Monarch gyratory sieve bolters, flour dressers, sieve purifiers, air belt return purifiers, scalpers, graders and bolters; bran dusters, dust collectors, flour packers, buckwheat gravel separators; wheat, corn and buckwheat scourers; receiving and milling separators; magnetic separators, fans, conveyors, pulleys, couplings, collars, tighteners and all power connections. Foreign agents: Invincible Grain Cleaner Co., 37-38 Seething Lane, London. Cable address, "Sprodron," Muncy, Pa. Codes, A B C Fourth edition and Lieber's.

Stafford Mills, Fall River, Mass. Print cloths.

S. S. Stafford, Inc., 603 Washington street, New York. Writing and copying inks, drawing inks, indelible ink, stamping inks, mucilage and paste; fountain pens, steel pens; typewriter ribbons and carbon papers. Foreign agents: Millington & Sons, London; Reuter & Siecke, Berlin. Cable address, "Azatura," New York. Code, Western Union.

Stahl, Urban & Co., Terre Haute, Ind. Factories at Terre Haute, Ind., Brazil, Ind., and Danville, Ill. Workingmen's clothing, trousers and shirts; overalls; duck and covert coats.

A. C. Staley Manufacturing Company, South Bend, Ind. Men's wool underwear and Jersey knit overshirts.

Standard Bleachery Company, Carlton Hill, N. J. Bleaching, dyeing and finishing fine cotton goods.

Standard Chain Company, Bailey-Farrell building, Pittsburg, Pa. Works at Pittsburg, York and Carlisle, Pa.; Columbus and St. Mary's, Ohio; Marion, Ind. Iron and steel chains of all kinds, bar iron and mine rails. Cable address, "Standchain," Pittsburg. Codes, Western Union and A 1.

Standard Chair Company, Union City, Pa. Wood and cobbler seat chairs and rockers.

The Standard Company: office, 810 Railway Exchange building; factory West Fifteenth and Laflin streets, Chicago, Ill. Manufacturers of ornamental iron and bronze work, elevator enclosures, elevator cars, stair work, store fronts, bank interiors, office railings, grilles, memorial tablets, mausoleum work and wire work of every description.

The Standard Dry Kiln Company, 629 South Penn street, Indianapolis, Ind. Apparatus and equipment for drying lumber, bricks, etc. Cable address, "Drier," Indianapolis. Codes, A B C and Western Union.

Standard Furniture Company, Washington street, Herkimer, N. Y. Office desks and typewriter cabinets. Foreign agents: Standard Desk Co., Ltd., London, E. C.; Fabrique de Bureaux à Rideau "Standard," Paris; Fabrik Standard Bureau-Einrichtungs G. m. b. H., Berlin. Cable address, "Standard," Herkimer. Codes, Lieber's, A B C and Western Union.

Standard Gauge Steel Company, Beaver Falls, Pa. Finished machine keys and machine rack, cold compressed steel elevator guides; cold drawn hexagon, square, flat, channel, angle, tee and special shapes of steel; shaft couplings. Representatives in Great Britain: Hall & Pickles, Manchester.

Standard Hoop Company, Ltd., West Bay City, Mich. Coiled elm hoops, headliners, lumber.

Standard Malleable Iron Company, Sherman boulevard, Muskegon Heights, Mich. Malleable iron and gray iron castings.

Standard Manufacturing Company, 77 Bedford street, Boston, Mass. Muslin underwear, shirt waists and shirt waist suits.

Standard Manufacturing Company, Jackson, Mich. Muslin underwear and lawn waists.

Standard Millwork Company, 4921 Montgomery pike, Norwood, Cincinnati, Ohio. Doors, sash, blinds, moulding, trim, stairwork and general millwork used in the construction of houses. Cable address, "Ideson," Cincinnati. Code, A B C.

The Standard Optical Company, Geneva, N. Y. Spectacles, eyeglasses, trial cases, lens drills, lens cutters, rimless edge-grinding machines and other optical machinery. Cable address, "Standopt," Geneva. Code, Western Union.

The Standard Paint Company, 100 William street, New York. Branch offices: 188-190 Madison street, Chicago; Union Trust building, Cincinnati; 70 Kilby street, Boston. Manufacturers of Ruberoid roofing, plain and in permanent colors; Giant insulating and sheathing papers; P & B and S P C insulating and sheathing papers; water-proof papers for case-lining; preservative and roof paint; S P C flexible roof paint; Ruberine roof paint, S P C flexible iron paint; P & B and S P C preservative paints; P & B and S P C electrical compounds; P & B and S P C insulating tape; S P C armature and field coil varnish; Ruberoid, Ruberoid motor cloth and Ruberoid car roofing. Foreign head offices in London, Paris, Brussels, Hamburg, Berlin, Buenos Ayres, Tokyo and Sydney. Cable address, "Sciatheric," New York. Code, Lieber's.

Standard Paper Manufacturing Company, P. O. Box 571, Richmond, Va. Works at Manchester, Va. All grades of plain and enameled blotting papers and stereotype paper. Foreign agencies in London, Antwerp, Amsterdam, Vienna, Copenhagen and Stockholm. Cable address, "Stanblot," Richmond. Code, A B C Fourth edition.

The Standard Pottery Company, East Liverpool, Ohio. Stone china, table and toilet, plain and decorated.

The Standard Rivet Company, 41 Lincoln street, Boston, Mass. Works also at Providence, R. I., and Waterville, Conn. Pronged rivets for fastening leather, cloth and other fabrics; ornamental spots for decorating harness, belts, etc.; machines for setting rivets and spots; staples for fastening loops of blinds and tugs or traces of harnesses; machines for setting staples. Foreign agents: British United Shoe Machinery Co., Leicester; Keats Machine Co., Frankfort o/M; John Spira, 124 Johnston street, Melbourne. Cable address, "Tingley," Boston. Code, A B C.

Standard Roller Bearing Company, Forty-eighth street and Girard avenue, Philadelphia, Pa. New York office, 25 Broad street. Anti-friction bearings, ball bearings, roller bearings, propeller bearings, thrust-bearings; steel balls, hangers and shafting. Cable address, "Rollers," Philadelphia.

Standard Sanitary Manufacturing Company, Pittsburg, Pa. New York showroom and office, 35-37 West Thirty-first street. Works at Allegheny and New Brighton, Pa.; Louisville, Ky.; Detroit, Mich. Porcelain enameled baths, sitz and foot tubs, lavatories, kitchen sinks, laundry tubs and water closets, plumbers' brasswork and woodwork, bath room furnishings, etc.; also special sanitary equipment for hospitals, asylums, factories, penitentiaries, military barracks, schools, hotels and public institutions generally, and for yachts, steamships, merchant and war vessels. Highest awards at all world's fairs and expositions. London office, 22 Holborn Viaduct. Cable address, "Sanitary," Pittsburg. Codes, Lieber's, A B C and Western Union.

The Standard Scale and Supply Company, 211 Wood street, Pittsburg, Pa. New York warehouse, 136 West Broadway. "The Standard" scales for railroads, mines, mills, warehouses and all purposes, graduated to standard of any nation; patent recording attachments for scales; "Mosher" bag holders; timber jacks or dollies. Manufacturers' agents and jobbers in trucks, industrial and hand cars, carts, steel and wood barrows, track and automatic lever jacks, corundum wheels, factory and mill supplies. Cable address, "Scales," Pittsburg. Codes, A B C Fifth edition and private.

Standard Sewing Machine Company, Cleveland, Ohio. Rotary shuttle sewing machines, vibrating shuttle sewing machines for manufacturing or family use, button-hole machines, button sewing machines, pleating machines, ruffling machines, corset-making machines, shoe stitching machines, zig-zag machines, 2, 3 and 4-needle machines, 2-shuttle machines, power accessories, transmitters, hangers, tabling, etc.; high speed power machines a specialty. Foreign department, 47 East Nineteenth street, New York. Foreign agents in almost every city. Cable address, "Lagothrix," New York. Code, A B C.

The Standard Steel Works, Harrison building, Philadelphia, Pa. Works at Burnham, Pa. Steel tires for locomotives and car wheels, steel tired wheels and rolled steel wheels for steam and trolley railway service; steel castings and forgings for locomotives and railway work; steel springs for locomotives, tenders and cars; iron forgings. Cable address, "Steeltires," Philadelphia. Codes, Western Union and Baldwin Locomotive Works' private.

Standard Table Oil Cloth Company, 320 Broadway, New York. Works at Montrose, N. Y.; Athenia, N. J.; Youngstown and Akron, Ohio; Rock Island, Ill. Enameled oil cloth, for carriages and upholstery work; table oil cloth, for table and counter use; shelf and stair oil cloth; "Sanitas" wall covering, washable, and most durable wall covering made; single and double slate cloth, for blackboards and unbreakable slates. Cable address, "Stocco," New York. Codes, A B C, Western Unión and Lieber's.

The Standard Tool Company, 1260 Central avenue, Cleveland, Ohio. New York office, 94 Reade street. Twist drills, reamers, milling cutters, sockets, machine bits for wood, taps, chucks, spring cotters, flat spring and riveted keys, special tools. Foreign agents: C. W. Burton, Griffiths & Co., London; Burton Fils, Paris; Carl Blombach, Ronsdorf, Germany; F. W. Horne, Yokohama; J. Lambercier & Cie, Geneva; Carlos dal Ré, Madrid; John M. Sumner & Co., Milan; Honoré Demoor & Cie, Brussels. Cable address, "Stantool," Cleveland. Codes, A B C, Manufacturers' Export, Lieber's and private.

Standard Underground Cable Company, Westinghouse building, Pittsburg, Pa. New York office, 56 Liberty street. Other branch offices in Boston, Philadelphia, Chicago, St. Louis and San Francisco. Works at Pittsburg, Pa., Perth Amboy, N. J., and Oakland, Cal. Copper rods, copper wire, copper cable; rubber insulated wires and cables of all

kinds, weatherproof wire and cable, accessories (terminals, junction boxes, cable-hangers, jointing materials); lead covered telephone, telegraph and electric light and power cables for underground, aerial and submarine use, with paper, fiber or rubber insulation; steel (tape or wire) armored cable. Cable address, "Cables," Pittsburg. Codes, Lieber's, Western Union, Engineering, Premier, A B C Fourth and Fifth editions and private.

Standard Varnish Works, 29 Broadway, New York. Works at Elm Park, S. I., and 2620 Armour avenue, Chicago. High grade varnishes, japans, dryers, lacquers, baking enamels and insulating varnishes. Foreign branch at 23 Billiter street, London. Cable address, "Everween," New York and London. Codes, A B C and Lieber's.

The Standard Welding Company, 35 Cone street, Cleveland, Ohio. Seamless steel tubing and vehicle rims; bicycle parts. Foreign agents: Reginald I. Wallis-Jones, 50 Queen Anne's Gate, London; Romain Talbot, 67 Rue de la Victoire, Paris. Cable address, "Stanweld," Cleveland. Codes, Manufacturers' Export and Lieber's.

Standard Wheel Company, Terre Haute, Ind. Factories at Terre Haute and Indianapolis, Ind.; Memphis, Tenn.; Ottawa and Sandusky, Ohio; Kalamazoo, Mich.; Nicholasville, Ky.; Tutwiler, Miss. Vehicle wheels and wheel material; gasoline automobiles. Foreign agent: A. Asher Smith, 163 Pitt street, Sydney. Cable address, "Standard," Terre Haute. Codes, Western Union and A B C Fourth edition.

Stanley Instrument Company, Great Barrington, Mass. Wattmeters of magnetic suspension type and balanced thrust type for alternating current. Sales agents: Victor M. Braschi & Co., Mexico City; Brooks-Follis Electric Corporation, San Francisco; Hendrie-Bolthoff Mfg. & Supply Co., Denver; Frank Adam Electric Co., St. Louis. Cable address, "Suspension," Great Barrington. Code, Western Union.

Stanley Rule and Level Company, New Britain, Conn., and 107 Chambers street, New York. Carpenters' tools: boxwood rules, ivory rules, zigzag rules, levels, plumbs and levels, try squares, bevels, iron planes, wood planes, fancy planes, bit braces, screw drivers, miter boxes, mallets, etc. Cable address, "Stanley," New York. Codes, A B C, A 1 and Lieber's.

The Stanley Works, New Britain, Conn. New York office, 79 Chambers street. Wrought steel hinges, butt hinges, ball-bearing hinges, door bolts, shelf brackets, cold rolled steel. Foreign agents: W. E. Peck & Co., London. Cable address, "Stanlyworx," New York. Codes, A 1, A B C and Lieber's.

Stanley & Patterson, Inc., 40 Cortlandt street, New York. General electric equipment supplies: "Simplex" electric annunciators; electric batteries, including "Exeter" dry, "Faraday" Carbon Cylinder and "Electrotonic" Medical batteries; electro-medical apparatus; "Faraday" and "Competition" electric bells; "Simplex" burglar alarms and accessories; "S. & P." call bell outfits; "Matchless" electric flashlight candles; "Matchless" electric cigar lighters; "Matchless" electric alarm and electric night light clocks; "Bohemian" coloring for incandescent lamps; "Sunlight" electric desk lights; "Imperial" electric ventilating fans, "Imperial" battery and oscillating fan motors, and "Imperial" oscillating fan motor bases; "Matchless" electric flashlights and flashlight batteries; "Faraday" signal gongs; "Matchless" electric toys; "Matchless" portable flashlight lamps and electric pocket flashlights; Searchlights; "Matchless" battery surgical lamps; "Matchless" watch stands with electric night light; "Matchless" electric battery night lamps; weatherproof receptacles; "Imperial" show window and silvered glass reflectors; "Faraday" signal bells; "Fielding" stage pockets and plugs; "De

Veau" telephone switchboards; "Double Grip" insulating tape; "De Veau" telephones and telephone materials; "Imperial" portable telephone booths and telephone desk brackets; automatic time switches; theatrical electrical supplies; fire alarm apparatus. Jobbers of arc lamps, blasting apparatus, dynamo and motor brushes, electric burners and carbons, electric cable and wire, commutators, circuit breakers, conduits, electric fuses, dynamos and generators, gas and electric fixtures, globes and shades, heaters, insulators, regulators, plating outfits, electric marine fixtures, electric meters, switches, transformers, gasoline torches, and line construction material and tools of every description. Cable address, "Eleclight," New York. Codes, Lieber's and A B C Fourth and Fifth editions.

Staples & Hanford Company, Newburgh, N. Y. Patented all metal spring work for upholstery purposes, such as springs for chairs, beds, couches, carriage cushions and parlor furniture.

The Star Brass Works, Kalamazoo, Mich. Electric railway supplies: trolley wheels and trolley harps. Cable address, "Trolley," Kalamazoo. Code, Western Union.

The Star Drilling Machine Company, 154 Washington street, Akron, Ohio. Well drilling machinery and tools; upright steam engines and fishing tools. Foreign agents: Malcomess & Co., East London, Cape Colony. Cable address, "Stardrill," Akron. Codes, A B C Fourth edition, Atlantic Directory, Lieber's and Western Union.

The L. S. Starrett Company, Athol, Mass.; New York office, 123 Liberty street; Chicago office, 15 South Canal street. Fine tools and instruments of precision for machinists, carpenters and all workers in metal or wood; ball points, bevels, brad sets, calipers, center testers, center punches, clamps, cut-nippers, gauges, hack saws and frames, inclinometers, jack screws, levels and leveling instruments, locomotive guide liners, metal edges, micrometers, nail sets, pipe attachments, plumb bobs, protractors, rules, scrapers, screw drivers, scribers, section liners, combination sets, speed indicators, squares, straight edges, steel tapes, test indicators, trammels, transits, etc. All tools having graduation marks are made according to the metric system, as well as in inches. Foreign agents: Charles Churchill & Co., Ltd., London, Birmingham, Manchester, Newcastle-on-Tyne and Glasgow; Schuchardt & Schütte, Brussels, Liège, Berlin, Vienna, Cologne, Paris, Stockholm and St. Petersburg; Edge & Edge, Sydney and Melbourne; F. W. Horne, Yokohama; Thos. Drysdale & Co., Buenos Aires; Ignácz Székely, Budapest; B. A. Hjorth & Co., Stockholm; V. Löwener, Copenhagen; Wilh. Sonesson & Co., Malmö and Copenhagen; A. Bergman & Co., Helsingborg, Sweden; W. Hummel Fils, La Chaux de Fonds; Adler & Eisenschitz, Milan; African Tool Co., Cape Town; Geo. Findlay & Co., Cape Town; E. W. Tarry & Co., Ltd., Johannesburg. Cable address, "Starrett," Athol. Code, Lieber's.

Stead, Miller & Co., Fourth and Cambria streets, Philadelphia, Pa. New York office, 140 Fifth avenue. Upholstery goods, cotton and silk draperies, and Smyrna rugs.

The A. T. Stearns Lumber Company, Neponset, Boston, Mass. Doors, sash, blinds; bleaching kiers; cypress, hard wood and yellow pine lumber; wooden tanks, windows, special and architectural woodwork, dye tubs, eavestroughs, greenhouses, gutters and conductors, wooden mantels and mouldings, cypress shingles, silos.

Frederick Stearns & Co., Detroit, Mich. New York office, 5 Platt street. Pharmaceutical products, including fluid, solid and powdered extracts; pills, tablets, granules, elixirs, syrups, tinctures, ointments, etc.; physicians' specialties, including Kasagra, Stearns' Wine, Alphozone, Ad-

nephrin Solution, Vera Diastase, etc.; open formula preparations; private formula work. Biologic products, including diphtheritic antitoxin, streptolytic serum, glycerinated vaccine. Perfumes and toilet specialties. Cable address, "Stearns," Detroit. Codes, A B C Fifth edition, A 1, Atlantic Directory and Western Union.

The Stearns & Foster Company. Main offices, 120 East Canal street, Cincinnati, Ohio. Cotton mills at Lockland, Ohio. Warehouses: 551 West Fortieth street, New York; 1435 Wabash avenue, Chicago; 1402 Locust street, St. Louis. Manufacturers of cotton batting and wadding, and cotton felt mattresses. Cable address, "Stearnfost," Cincinnati. Code, Western Union.

Steinway & Sons, 107 East Fourteenth street, New York. Pianos. Agents in all important cities of the world. Cable address, "Steinway," New York.

Stengel & Rothschild, corner Main and Kossuth streets, Newark, N. J. Patent, enameled and fancy leathers for carriages, upholstery, railways, automobiles, belts, etc. Cable address, "Stengchild," Newark. Codes, A B C Fourth and Fifth editions and Western Union.

Roe Stephens Manufacturing Company, 1072 McKinley avenue, Detroit, Mich.; Chicago branch. 32 West Randolph street. Brass and iron valves for steam, water, gas, air and acids; our specialties: "Scott" gate valves; "Scott" angle and globe valves, with bronze, copper or "Jenkins" discs; "Scott" bevel seat re-grinding swing check valves; "Rouse" swing check valves; "Flower" cushion check valves; "Goldsmith" quick opening throttle valves; "Scott" automatic water sealed exhaust relief or back pressure valves; "Scott" spring pop safety valves; "Scott" spring relief and snifter valves; "Orme" spring marine pop safety and relief valves; "Scott-Jenkins" disc steam radiator valves; union elbows; "Scott" brass gate valves, with union; water gates and fire hydrants. Foreign agents: American Radiator Company, 89 Shoe Lane, London, E. C.; Rudolph Otto Meyer, Wandsbecker Chaussee 288, Hamburg; J. H. Windemuller & Co., Rotterdam; E. Saxlund, Christiania. Cable address, "Roesteph," Detroit. Codes, Atlantic Directory, Western Union and private.

Stephens-Adamson Manufacturing Company, Aurora, Ill. Belt conveyors, chain conveyors, bucket elevators, sprocket chain, sprocket wheels, shafting, pulleys, hangers, bearings, rope sheaves, friction clutches, friction clutch couplings, shaft couplings, elevator buckets, elevating and conveying machinery, power transmitting machinery, manila rope drives, ore and coal handling machinery, grain handling machinery. Cable address, "Saco," Aurora, Ill. Codes, A B C, Western Union, A 1 and Lieber's.

Stephenson Manufacturing Company, Albany, N. Y. Stephenson bar belt dressing, in pound sticks, applied by friction: red label for leather belts, green label for rubber and canvas belts; Stephenson Boiler Compound; "Only Reliable" saw guard. Foreign agents: J. B. Stone & Co., London; Fred'k Ayer & Co., Sydney.

Stephenson Manufacturing Company, South Bend, Ind. Machine made wood turnings and spiral, grooved and pointed dowel pins.

The Sterling Company, Derby, Conn. Pianos and automatic piano players. Cable address, "Sterling," Derby.

Stern Bros. & Co., 68 Nassau street, New York. Works at 33-43 Gold street and 142 West Fourteenth street, New York. Gold jewelry; also cutters of diamonds. Foreign branch, 12 Tulp street, Amsterdam. Cable address, "Aforetime," New York. Code, private.

Bernhard Stern & Sons, Cherry and Commerce streets, Milwaukee, Wis. Spring wheat flour and mill feed. Code, Riverside.

Sterrit-Thomas Foundry Company, Thirty-second and Smallman streets, Pittsburg, Pa. General founders and machinists.

The Stetson Shoe Company, South Weymouth, Mass. Fine shoes for men. Foreign agent: American Boot and Shoe Syndicate, 2 Bradford avenue, Red Cross street, London.

The John B. Stetson Company, 1748 North Fourth street, Philadelphia, Pa. New York office, 750 Broadway. Soft and stiff fur felt hats. Foreign agents: Paul Strasser, Gr. Johannesstrasse 6, Hamburg; Samuel W. Walker, esquina Avenidas Juarez y Balderas, City of Mexico; J. A. Smallbones, 27 Milton street, London, and Johannesburg. Cable address, "Nutria," Philadelphia. Codes, A B C Fourth and Fifth editions and Western Union.

Stetson & Post Mill Company, Seattle, Wash. Washington fir, cedar and spruce lumber, sash and doors.

The Steubenville Pottery Company, Steubenville, Ohio. New York office: Daniel Taylor & Co., 82 West Broadway. Semi-porcelain china: plain white and decorated toilet sets, dinner and tea sets, hotel ware and specialties.

B. A. Stevens, Toledo, Ohio. Billiard and pool tables and supplies; bowling alleys and supplies; bar fixtures; beer coolers, beer tables, and supplies; butchers' tools and machinery, cooling rooms, fixtures and supplies; house refrigerators; Stevens "Shut-tight" cold storage door. Cable address, "Stevens," Toledo. Codes, A B C and Western Union.

H. Stevens' Sons Company, Macon, Ga. Sewer and railroad culvert pipe, fire brick, fire proofing, locomotive tile, fittings, etc.

J. Stevens Arms and Tool Company, Chicopee Falls, Mass. New York office, 98 Chambers street. Firearms, rifles, shotguns, pistols; gun implements, rifled bullet shells, rifle telescopes, rifle cleaning rods, shotgun cleaners, gun grease, sights for firearms; "Stevens-Pope" rifle barrels; automobiles. Cable address, "Stevens," Chicopee Falls. Codes, A B C and Lieber's.

Stevens & Thompson Paper Company, North Hoosick, N. Y. Mills at Middle Falls, N. Y. Manila tissue paper.

D. M. Steward Manufacturing Company, Chattanooga, Tenn. New York office, 8-12 Jay street. Lavite electric insulators, Compo and steatite crayons, Compo slate pencils, soapstone and talc crayons and pencils, Steward lava gas tips and gas burners, Wonder acetylene burners; soapstone, talc and slate powders; Stainoff soap. Cable address, "Steatite," Chattanooga. Code, A B C Fourth edition.

Stewart Heater Company, 391 Norfolk avenue, Buffalo, N. Y. Feed water heaters (open and pressure), live steam heaters with automatic regulator, and power pumps for all purposes.

Stewart Iron Company, Ltd., Sharon, Pa. Iron and cement works at Sharon, Pa.; coke works and coal mine at Uniontown, Pa. Pig iron—Bessemer, low-phosphorus, basic foundry and grey forge. Muck bar—neutral and special low-phosphorus bars for crucible and open hearth use. Cement known as "Stewart Portland Cement," manufactured from blast furnace slag. Coke manufactured strictly from the famous vein known as the Connellsville coking vein.

Stickley Brothers Company, Grand Rapids, Mich. Fancy chairs and tables. Cable address, "Stickley," Grand Rapids.

Stickley & Brandt Chair Company, 5 Abbott street, Binghamton, N. Y. Fancy chairs and rockers, settees, dining chairs, desk chairs and Morris chairs (all in oak and imitation, and solid mahogany).

J. L. Stifel & Sons, Wheeling, W. Va. Indigo prints and drills.

Stimson Mill Company, Ballard, Wash. Fir and cedar lumber, lath and shingles. Shipments by rail or vessel to all parts of the world. Agent for foreign shipments: J. H. Baxter, 6 California street, San Francisco. Cable addresses and codes: "Stimson," Seattle; code, Atlantic Directory; "Baxter," San Francisco; code, A B C Fifth edition.

The Stirling Company, Pullman building, Chicago, Ill. New York office, Engineering building, 114 Liberty street. Works at Barberton, Ohio. Water tube boilers, bagasse furnaces and conveyors, grates, furnaces and smoke stacks. Foreign agents: Herbert Ainsworth, Johannesburg; E. G. Constantine, Manchester and London; A. S. Hay, Yokohama; Von Hamm Young Co., Honolulu. Cable address, "Stirtube," Chicago. Codes, Lieber's, A 1, A B C Fifth edition and Engineering.

C. H. Stoelting Company (successors to The Chicago Laboratory Supply and Scale Company), 31-45 West Randolph street, Chicago, Ill. Physical apparatus, chemical apparatus, biological apparatus, physiological apparatus, psychological apparatus, astronomical apparatus, projection apparatus. Jobbers of chemicals, chemical glassware and general laboratory supplies. Cable address, "Stoelting," Chicago. Codes, A B C, Western Union and Lieber's.

Stokes & Parrish Elevator Company, 1228-1230 Race street, Philadelphia, Pa. Elevators: passenger and freight, hydraulic and electric.

The Stomps-Burkhardt Company, Dayton, Ohio. Chairs: odd pieces; hall, Roman and dining chairs; also rockers. Code, Adams' Cable Codex.

Story & Clark Piano Company, 255-257 Wabash avenue, Chicago, Ill. Factory at Grand Haven, Mich. Pianos. Jobbers of pianos and organs. Cable address, "Story," Chicago. Codes, Western Union and A B C.

Stout & Wilson Furniture Company, Salem, Ind. Sideboards, dressers and commodes.

Stover Engine Works, Freeport, Ill. Gasoline engines. Foreign agents: Staerker & Fischer, Sydney; F. C. Southwell & Co., 75 Southwark street, London. Cable address, "Phoenix," Freeport, Ill. Codes, Western Union, Lieber's and A B C Fourth edition.

The Stover Manufacturing Company, Freeport, Ill. Wind mills, substructures for tanks, feed grinders, and builders' and special hardware: spring hinges, chest handles, stovepipe dampers, shelf brackets, cover lifters, stove pokers, cast hammers, lamp brackets, tumbling barrels, etc. Foreign agents: R. H. Buchanan & Co., Montreal; Canadian Moline Plow Co., Winnipeg, Canada; G. & O. Braniff & Co., Mexico City; Juan H. Kipp, Guadalajara; Krakauer, Zork & Moye, Chihuahua; Rodolfo Dresel & Cia., Monterey; J. Crasemann, Sucesores, Merida, Yucatan, Mexico; La Compañia de Fabricantes Extrangeros, Ltd., Buenos Aires; John S. Miller & Son, Annan, Scotland; N. Holman & Sons, Ltd., St. Just, Cornwall, England; E. J. Honey, Guernsey, Channel Islands; Th. Pilter, Paris and Tunis; Nyssens Frères, Antwerp; Hammacher, Delius & Co., Hamburg, sole agents for Austria, Bulgaria, Denmark, German Empire, Greece, Hungary, Montenegro, Netherlands, Norway, Roumania, Russia, Servia, Switzerland, Turkey; Alfred Grodzki, Warsaw; Ing. A. Colorni, Succ. to Bale & Edwards, Milan; Alfred Dale, Mansourah, Egypt; Paul J. Balladur, Smyrna; Malcomess & Co., East London, Cape Colony; Smuts & Koch, Malmesbury, Cape Colony; Wm. Sandover & Co., Perth and Fremantle, Western Australia; Denovan & McCray. Sydney; Dehle, Bennison & Co., Hobart, Tasmania; The Engineering Supply Co. of Australia, Brisbane; Geo. P. Harris, Scarfe & Co., Ltd., Adelaide, S. Australia; E. W. Mills &

Co., Wellington, New Zealand; John Chambers & Son., Ltd., Auckland, New Zealand; Welch, Perrin & Co., Melbourne. Cable address, "Ideal," Freeport. Codes, A B C Fourth edition, Western Union, Lieber's and private.

Stow Manufacturing Company, Binghamton, N. Y. Flexible shafts, multi-speed electric motors, portable drills, center grinders, portable emery grinders, electric stationary emery grinders, radial flexible boring machines; die-sinkers' flexible drilling, grinding and polishing machines. Foreign agents: Selig, Sonnenthal & Co., London. Cable address, "Shaft," Binghamton. Codes, Lieber's, Western Union and private.

Stow & Davis Furniture Company, Grand Rapids, Mich. Extension dining tables, office and directors' tables. Cable address, "Stowed," Grand Rapids, Mich., U. S. A. Code, A B C.

The H. N. Strait Manufacturing Company, Kansas City, Kan. Monarch Corliss engines; "Monarch" scales, including railroad track, wagon, hopper, dormant and portable scales; hay presses, cooperage machinery, and full line of power transmission machinery. Cable address, "Strait," Kansas City. Codes, Robinson and Lieber's.

The William Strange Company, 98 Prince street, New York. Works at Paterson, N. J. Silk ribbons, dress and lining silks. Cable address, "Strange," New York.

J. L. Strassel, 503-505 Third street, Louisville, Ky. Jobber of paints, oils and glass.

Straube Piano Company, 24 Adams street, Chicago, Ill. Works at Hammond, Ind. Pianos.

Strawbridge & Clothier, 801 Market street, Philadelphia, Pa. New York office, 396 Broadway. Ladies' coats, wraps, skirts, suits and waists; men's shirts. Jobbers of dry goods in general. Cable address, "Clothier," Philadelphia.

Streator Bottle and Glass Company, Streator, Ill. Bottles of light green and amber colors, consisting mainly of beer, wine, brandy, whiskey, soda and mineral water bottles.

Street & Kent Manufacturing Company, 43-45 Fulton street, Chicago, Ill. Plumbers' brass goods.

Strich & Zeidler, One Hundred and Thirty-fourth street and Brook avenue, New York. Grand and upright pianos. Cable address, "Strichzeid," New York. Code, Western Union.

The Strobridge Lithographing Company, 128 West Canal street, Cincinnati, Ohio. New York office, 1183 Broadway. Lithographed work of every description; posters, maps, show cards, hangers, and commercial stationery. Cable address, "Strobridge," Cincinnati. Codes, A B C and Lieber's.

Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Works at Rochester, N. Y., and Chicago, Ill. Telephones, switchboards, lead covered cables, etc. Jobbers of electrical goods for telephone purposes, construction goods, linemen's tools, etc. Cable address, "Stromcarl," Chicago. Codes, Western Union and private.

J. N. Struck & Bro., Inc., Louisville, Ky. Doors, sash, blinds, tubs and tanks, store fixtures, greenhouse material.

The Struthers Furnace Company, 1106 Citizens' building, Cleveland, Ohio. Works at Struthers, Ohio. Pig iron—Bessemer, malleable, basic and forge, cast in chills; "Struthers" Portland cement. Cable address, "Runstub," Cleveland.

Stuber & Kuck, 100 Walnut street, Peoria, Ill. Pieced tinware, flour sifters, flue stoppers, asbestos mats and tin cans.

Studebaker Brothers Manufacturing Company, South Bend, Ind. Branches: New York (Broadway and Forty-eighth street); Chicago, Ill.; San Francisco, Cal.; Portland, Ore.; Kansas City, Mo. Carriages, broughams, victorias, station wagons, road carts, driving wagons, buggies, phaetons, surreys; farm wagons, dump carts, log trucks, mountain wagons, business and delivery wagons of all kinds, trucks, ice and coal wagons, ambulances, sprinkling wagons for street or private use, street sweeping machinery; cast and steel skeins and wagon hardware; "Archibald" wheels; harness and saddlery of every description; electric automobiles and gasolene touring cars. Cable address, "Studebaker," South Bend, New York, Chicago, San Francisco, Portland or Kansas City. Codes, A B C Fourth edition, Western Union and Lieber's.

B. F. Sturtevant Company. General office and works, Hyde Park, Mass.; also offices in Boston, and 131 Liberty street, New York. Blowers, exhaust fans, engines, dynamos, motors, generating sets; steam heating, ventilating and drying apparatus; disc and propeller fans, mechanical draft fans, economizers, forges, industrial equipments, exhaust heads, steam traps, etc. Foreign agent: Sturtevant Engineering Co., London, Glasgow, Berlin, Stockholm, Milan, Amsterdam, Paris. Cable address, "Sturtevant," Boston. Code, Lieber's.

Suffern, Hunt & Co., 706 North Union street, Decatur, Ill. White corn grits, meal, cones and flour. Cable address, "Sufhunt," Decatur. Codes, Riverside 1890 edition, Baltimore Second edition.

The Sugar Apparatus Manufacturing Company, 328 Chestnut street, Philadelphia, Pa. Evaporating apparatus for concentrating liquors of all kinds. Cable address, "Samco," Philadelphia. Codes, A B C and Western Union.

Sullivan Machinery Company, Railway Exchange building, Chicago, Ill. New York office, 42 Broadway. Also branch offices in Pittsburg, Denver, St. Louis, Salt Lake and El Paso. Works, Claremont, N. H., and Chicago. Diamond prospecting core drills for hand or power; air compressors; channeling machines; coal mining machinery, including compressed air pick machines and electric chain machines for the long wall or room and pillar systems; mine ventilators, Corliss engines, automatic cross-over coal and ore dumps; heavy hoisting engines for mines, quarry machinery and air rock drills. Foreign agents: A. de Gennes, 25 rue Raffet, Paris; Fraser & Chalmers, London, Johannesburg and Sekondi, Gold Coast; Goldfields Diamond Drilling Co., Kalgoorlie and Melbourne; American Trading Co., Yokohama, Kobe, Shanghai, Newchang, Tientsin and Port Arthur. Cable address, "Diamond," Chicago. Codes, A B C, A 1, Commercial Directory, Fraser & Chalmers, Lieber's and Western Union.

The Sumter Telephone Manufacturing Company, Sumter, S. C. Telephones for local exchange and long distance service; telephones for interior or private exchange service; inter-communicating telephones; telephone switchboards, magneto bells, generators, transmitters, receivers, ringers, telephone cabinet work, "Multi-Discharge" lightning arresters, distributing frames; coils, induction, repeating, etc. Jobbers of construction material for telephone exchanges, lines, etc. Foreign agents: Mexico Equipment Co., Mexico City; Andrews & George, Yokohama; E. Escalante & Hijo, Merida, Mexico; Mechanics' Supply Co., Quebec. Cable address, "Sumterfone," Sumter, S. C. Codes, Lieber's and Western Union.

Superior Paper Company, Kalamazoo, Mich. Paper: machine finished and super calendered book, lithograph and French folios; catalogue and other specialties in paper. Cable address, "Superior," Kalamazoo. Code, Western Union.

Surpass Leather Company (Successor to J. P. Mathieu & Co.), Ninth and Westmoreland streets, Philadelphia, Pa. Glazed kid. The entire output is controlled by Booth & Co., 88 Gold street, New York, with branches in London and Sydney.

Susquehanna Silk Mills, 62 Greene street, New York. Piece dyed silk goods.

Swanson Rheumatic Cure Company, 160 East Lake street, Chicago, Ill. Proprietary remedies: "5-Drops," "5-Drop" salve, 50-cent and 25-cent size; "5-Drop" sanitary tooth soap, "5-Drop" plasters, "5-Drop" cholera cure, "5-Drop" cough balsam, "5-Drop" corn cure, "5-Drop" inhaler outfit, Swanson pills, Turkish tobacco cure, Swanson baby pacifier, magnetic capsules. Cable address, "Elko," Chicago. Code, Western Union.

E. G. Swartz Company, Limited, Swartz, La. Yellow pine lumber.

A. L. Swett Iron Works, Medina, N. Y. Medium and heavy iron castings, barn door hangers and stay rollers, barrel headers or presses, jack screws, lawn vases, lawn iron settees, hitching posts, stable fittings, stable mangers and hay racks, iron watering troughs, drinking fountains, cast iron sinks and plumbers' iron castings. Code, Atlantic Directory.

Swift Manufacturing Company, Columbus, Ga. Cotton goods: denims, plaids, tickings, quilts.

Swift and Company, Stock Yards, Chicago, Ill. Works also at Kansas City, South Omaha, St. Louis, St. Joseph, St. Paul and Fort Worth. Fresh beef, pork and mutton; packed beef and pork; dry salt and pickled meats; refined lard, lard oils and oleo oils; fertilizer, soap, glue; animal food and all packing house by-products. Branch houses and representatives in every country. Cable address, "Swift," Chicago. Codes, A B C Fourth edition, A 1 and Lieber's.

Swindell Brothers, Bayard and Russell streets, Baltimore, Md. Glass perfumery bottles, glass stoppered; glass perfumery bottles for cork; plain and lettered prescription bottles; nursing and sterilizer bottles; panels, flasks, wine bottles and miscellaneous bottles in flint, green, amber and blue ware. Jobbers of window glass, plate glass, mirror plates, rough and ribbed plate, figured rolled, and fancy glass; enameled and colored glass.

Syracuse Chilled Plow Company, Syracuse, N. Y. Walking, sulky, gang and disk plows; contractors' plows; spring and spike tooth harrows, disk harrows; hand cultivators, grape and berry hoes, haying tools; wood and steel wheelbarrows, store and warehouse trucks, drag and wheel road scrapers, push carts. Cable address, "Chillplow," Syracuse. Codes, A B C Fourth edition, Lieber's and Western Union.

Syracuse Malleable Iron Works, Syracuse, N. Y. General malleable iron castings.

Tabor Glove Company, 55 Fourth street, Milwaukee, Wis. Leather-palmed mittens and gloves, fur gloves and mittens.

Tacoma Mill Company, 300 California street, San Francisco, Cal. Mills at Tacoma, Wash. All kinds of Douglas fir (Oregon pine) lumber, boards, plank, timbers, ship plank, decking, framing, flooring, stepping, rustic ceiling, lath, pickets, staves, spars, piling, red cedar shingles. Cable addresses: "Hanson," San Francisco; "Mahanson," Tacoma. Codes, Telecode, A 1 1888 edition, Hanify's and Lieber's.

Tacoma Smelting Company, Tacoma, Wash. Buyers and smelters of gold, silver, lead and copper ores, copper matte and furnace products; electrolytic copper refiners. Cable address, "Rust," Tacoma. Codes, Western Union, Kellograph, Bedford McNeill and A B C Fourth edition.

Taft's Asthmalene Company, Park avenue and One Hundred and Thirtieth street, New York. "Asthmalene," White Pine Syrup, "Sure Relief," Brain and Nerve Tonic, "Balm of Gilead" Ointment, "Laxatene" Tablets, "Invigorene," Asthma Powder, Taft's Emulsion. Foreign agents: Lyman Bros. & Co., Lyman, Knox & Clarkson, and The Elliott Co., Toronto; Lyman Sons & Co., Montreal; Simpson Bros. & Co., Ltd., Halifax, N. S.; F. Newberry & Sons, London; Wm. Horrocks, Nelson, Lancashire; M. Hammond, Balintra, Ireland; G. M. Procter, Oamaru, New Zealand; E. L. Rhys, Belize, British Honduras. Cable address, "Asthmalene," New York. Code, Western Union.

Taggart Brothers Company, Watertown, N. Y. Rope papers; paper flour and cement bags.

The H. F. Taintor Manufacturing Company, 200 Water street, New York. Whiting and Paris white.

Talbot Mills, North Billerica, Mass. Selling agents: Parker, Wilder & Co., Boston and New York. Woolens for men's and women's wear, flannels, carriage cloths.

Tarentum Glass Company, Tarentum, Pa. New York office, 24 Park place. Pressed glass, table glassware, bar goods, lamps; hotel ware in crystal, plain and gold decorated. Cable address, "Targlass," Tarentum. Code, Western Union.

Tarentum Paper Mills, 1019 Liberty street, Pittsburg, Pa. Mills at Tarentum, Pa. Rope wrapping paper; paper flour and cement sacks.

Robert Tarrant, 52 Illinois street, Chicago, Ill. Marine engines and general machinery.

Tarrant Foundry Company, 58 Indiana street, Chicago, Ill. General machine castings.

The Samuel C. Tatum Company, Water, John and Front streets, Cincinnati, Ohio. New York office, 174 Fulton street. Gray iron castings; copying presses, stands and apparatus; paper and metal punching machinery, binders' and printers' machinery and punches, stationers' hardware, inkstands, office specialties, binders and holders for loose sheets; typewriter stands. Foreign agents: New York Export & Import Co., New York, Manila, Shanghai, Bombay and Calcutta; Katz Brothers, Singapore; W. G. Humphreys & Co., Hong Kong; W. S. Stone, Yokohama; Anglo-American Inventions Syndicate, Ltd., London; Donnell & Palmer, New York and 562 Calle Moreno, Buenos Aires; C. V. Hitchins, Mexico City. Cable address, "Tatum," Cincinnati. Code, Western Union.

Taylor Iron and Steel Company, High Bridge, N. J. New York office, 253 Broadway. "Hadfield's" manganese steel for ore and stone crushing, sizing and concentrating machinery, stamp shoes and dies, mine car wheels, revolving and flat screens, coal breaker rolls, dredger pins, bushings, tumblers, rollers, cutting lips, buckets, steam shovel teeth, sprocket wheels and chain, gears and pinions, furnace barrow wheels, chute spouts and linings; "Chrome" and other steel castings for railroad, steamship, electrical and mining purposes; forged iron and steel shafts and car and locomotive axles; steel tired car and locomotive wheels. Cable address, "Lahlatang," High Bridge, N. J. Code, Western Union.

Henry Taylor Lumber Company, Lafayette, Ind. Hardwood interior finish, sash, stairs, veneered doors.

The Taylor & Boggis Foundry Company, 523 Seneca street, Cleveland, Ohio. Furnace lamps, coal oil stoves, gas hot plates; molasses gates, compression oil can faucets and petroleum oil faucets; stove pipe dampers; "The Kidder" barn door hangers; mail boxes, mail catchers for railway mail cars; door locks (mortise), door knobs and general builders' hardware.

Taylor & Dean, 205 Market street, Pittsburg, Pa. Fire escapes, grille work in iron, brass and bronze; jail work, iron fencing, wire cloth (iron or brass), wire work of every description. Jobbers of fire extinguishers and galvanized wire cloth.

Taylor, Stiles & Co., Riegelsville, N. J. Machine knives of every description; paper mill engine fly bars and bed plates; "Giant" rag cutting machines and "Giant" rag shredding machines. Cable address, "Taystiles," Riegelsville.

The Tea Tray Company of Newark, N. J., Mulberry and Murray streets, Newark, N. J. Trays, fire extinguishers, talking machine supplies, electrical and metal specialties. Cable address, "Teatray," Newark. Code. Western Union.

The Tennessee Coal Company, Knoxville, Tenn. Mines at Briceville, Tenn. Bituminous coal.

Tennessee Coal, Iron and Railroad Company, 100 Broadway, New York. Works at Birmingham, Ala., and vicinity. Basic open hearth steel rails up to 100 lbs. per yard; steel billets, blooms, slabs, plates, angles, bars and bands. Cable address, "Tenkirk," New York. Code, Merchants'.

Textile Machine Works, Reading, Pa. Braiding and knitting machinery: machinery for insulating electrical wires; cable covering braiders, spooling and doubling machines, calendering machines, singeing machines; braiding machinery for all kinds of trimming braids and torchon laces, shoe and corset laces; measuring machines; special machinery for dress trimming, braid and electric wire trades; gray iron castings, pattern making; full fashioned knitting machines (cotton system). Foreign agents: International Winding Co., Manchester. Cable address, "Textile," Reading. Codes, A B C and Atlantic Directory.

Thilmany Pulp and Paper Company, Kaukauna, Wis. Paper of various kinds, such as poster, catalogue cover, tailors' pattern, tissue, orange wrappers (plain and printed), paper napkins, druggists' wrapping, etc.

W. B. Thom & Co., Haverhill, Mass. Soft fur hats.

Thomas Stationery Manufacturing Company, Springfield, Ohio. New York office, 16 Reade street. Paper fasteners (brass), "Counting House" brand; shipping tags, gummed paper, gummed labels, gummed cloth and paper binding.

The Thompson & Norris Company, Prince and Concord streets, Brooklyn, N. Y. Branch works at Boston, Mass., and Brookville, Ind. Straw paper for corrugating purposes, corrugated paper and cork paper packing, cellular boards, inflexible envelopes, photomailers, light weight express boxes, cellular cases, picture backing, mailing tubes, bottle packing, Norwich Treadspring Scientific carpet lining and stair pads. Foreign works: The Thompson & Norris Manfg. Co., Ltd., London; Jülich, Germany; Exideuil, France. Cable addresses: "Cortexa," Brooklyn; "Bolivar," London. Codes, A B C and Western Union.

J. Thompson & Sons Manufacturing Company, Beloit, Wis. Agricultural implements; gasoline engines; walking, sulky and gang plows; disk harrows. Export agents: W. H. Crossman & Bro., 77 Broad street, New York. Cable address, "Thompson," Beloit. Code, Lieber's.

Thomson Meter Company, 79 Washington street, Brooklyn, N. Y. Water meters. Cable address, "Bee," Brooklyn. Code, A B C Fourth edition.

Thornton-Levey Company (successors to Baker & Thornton Company), 44 South Pennsylvania street, Indianapolis, Ind. Printers, lithographers and engravers; manufacturers of blank books and office stationery for banks, county officers, city and school officials. Jobbers of commercial stationery. Local agents for Y. & E. filing systems, neostyles and supplies.

John E. Thropp's Sons Co., Trenton, N. J. Marine engines and boilers; condensers; propellers; thrust bearings and shafts, for steamers, tugs and yachts; rubber mill machinery, crushing and pulverizing mills, pottery machinery, stationary boilers of all kinds and special machines. Code, A B C Fourth edition.

The O. & W. Thum Company, Grand Rapids, Mich. Branch factory at Walkerville, Ont. "Tanglefoot" sealed sticky fly paper. Foreign agents: J. F. Macadam & Co., Buenos Aires; Charles Markell & Co., Sydney; Heinrich Stössler, Vienna; L. Laubignat, Nantes, France; P. Langmans, Antwerp; Maecker & Albeck, Hamburg; Carl Val Schmidt, Frankfort o/M.; British Alabastine Company, Ltd., London; C. Kampman, Nymegen, Holland; Emilio Perera, Genoa; J. Snowdon & Co., Cape Town; Kaiser & Co., Berne; C. E. Sontum & Co., Christiania; Hermann Raffel, Copenhagen; Andrews & George, Shanghai; Carlisle, Crocker & Co., Montevideo; L. A. Lopez Guerra, Lima; Carlos Felix y Ca., Mexico City; Dr. J. Küppers, Cairo. Cable address, "Tanglefoot," Grand Rapids. Codes, A B C Fourth edition, Western Union and Lieber's.

Tide Water Oil Company, 11 Broadway, New York. Works at Bayonne, N. J. All products from petroleum.

Tiffany Enameled Brick Company, Momence, Ill. Enameled (glazed) brick for wainscoting interiors and for fine fronts of buildings; enameled tile for wainscoting only. Cable address, "Tiffany," Chicago. Code, Western Union.

J. E. Tilt Shoe Company, 17 Huron street, Chicago, Ill. Men's shoes.

Tilton & Cook, Leominster, Mass. Celluloid combs, hair ornaments and hair pins.

G. H. Tilton & Son, Tilton, N. H. Mills at Tilton and Laconia, N. H., Savannah, Ga., and Columbia, S. C. New York office, 281 Church street. Cotton hosiery.

Tim & Co., Inc., Troy, N. Y. New York office, 93-95 Franklin street. White and fancy linen and cotton shirts, men's and women's collars and cuffs, women's waists.

Tippett & Wood, Phillipsburg, N. J. Standpipes, water towers, tanks, blast furnace and cement mill work, steam boilers, forgings and heavy smith work.

The Titusville Iron Company, Titusville, Pa. New York office, 26 Cortlandt street. Boilers, tanks, stacks and general plate work; gas, gasoline and steam engines.

The William Tod Company, Youngstown, Ohio. Blowing engines for blast furnaces and steel plants; rolling mill engines and reversing engines for steel mills; high duty crank and fly wheel pumping engines; gas engines; automatic high speed engines and Corliss engines for electric power service. Cable address, "Tod," Youngstown. Code, Western Union.

The Todd Manufacturing Company, New Albany, Ind. Steel hames, wood hames, harness rings, coil chain, trace chains, wagon chains,

breast chains, heel chains, stage traces, wagon singletrees and doubletrees, plow singletrees and doubletrees, wagon neck yokes, lap and repair links, biscuit machines, hame hooks and clips, breeching clips. Cable address, "Todd," New Albany. Code, Western Union.

The Toledo Cooker Company, 1336-1342 West Bancroft street, Toledo, Ohio. Ideal steam cookers, round and square, with whistles; Turkish vapor bath cabinets, clothes dryers, hat and coat racks, clothes racks, milk sterilizers, yokes for shower baths, iron safes and vaults. Jobbers of blue flame oil stoves, gasoline stoves, etc. Cable address, "Cooker," Toledo.

The Toledo Moulding Company, Champlain and Chestnut streets, Toledo, Ohio. Picture and room moldings, frames, curtain poles and wood harness rings.

The Toledo Stove and Range Company, corner Smead and Grand avenue, Toledo, Ohio. Stoves, heaters and cast iron and steel ranges.

The D. A. Tompkins Company, Charlotte, N. C. Cottonseed oil machinery, cotton ginning machinery; implements, tools and machinery required for planting, cultivating and harvesting cotton. Technical books about cotton production and manufacture, and about the manufacture of cottonseed oil. Cable address, "Tompkins," Charlotte. Code, Western Union.

Tonawanda Iron and Steel Company, North Tonawanda, N. Y. Pig iron.

Tone Brothers, Des Moines, Iowa. Coffees, spices, flavoring extracts, baking powder and teas.

William Tonk & Bro., Inc., 452-456 Tenth avenue, New York. Pianos, piano stools, piano chairs, piano scarfs, piano benches, music cabinets, rocking chairs, dining chairs; guitars, mandolins, banjos. Jobbers of piano players and musical instruments of all kinds, violins, violoncellos, flutes, accordeons, harmonicas and all band instruments. Cable address, "Tonk," New York. Code, A B C.

Tootle, Wheeler & Motter Mercantile Company, St. Joseph, Mo. New York office, 51 Leonard street. Men's shirts, trousers, duck clothing, jackets, overalls, and ladies' shirt waists. Jobbers of dry goods, notions, carpets and men's furnishing goods.

Torrey Roller Bushing Works, Bath, Me. Machinery name plates, marine hardware, blockmakers' materials. Cable address, "Rollerbush," Bath. Code, Western Union.

Wm. A. Tottle & Co., 120-124 Hanover street, Baltimore, Md. Brushes. Cable address, "Tottle," Baltimore.

A. J. Tower Company, 20 Simmons street, Boston, Mass. New York office, 35 Howard street. Also branch in Chicago. Waterproof oiled clothing, slickers, suits, hats, wagon and horse covers; oiled sheetings, drills, ducks and other fabrics. Cable address, "Rewot," Boston. Codes, A B C and Western Union.

Tower & Lyon Company, 95 Chambers street, New York. Works at Bloomfield, N. J. Mechanics' tools, police equipments and hardware. Specialties: iron planes, screw drivers, miter boxes, saw clamps, expansion bits, nail pullers, wrenches, plumb bobs, trammel points, malleable iron oilers, vises, handcuffs and leg irons, dog collar locks, Scandinavian padlocks. Cable address, "Osmotic," New York. Codes, Atlantic Directory and Standard.

C. C. & E. P. Townsend, New Brighton, Pa. Wire, wire nails and rivets.

Townsend Grace Company, 209 and 211 West Fayette street, Baltimore, Md. New York office, 736 Broadway. Men's, boys' and children's straw hats (also women's "sailors"). Cable address, "Ibis," Baltimore. Codes, Atlantic Directory and Western Union.

Trade News Publishing Company, 24 Murray street, New York. Publishers of *The International Buyer*, devoted to export matters, semi-monthly, English and Spanish editions; *The Hub*, the leading technical carriage and wagon publication; *Harness*, devoted exclusively to harness and saddlery. Foreign subscription prices: *International Buyer*, $2.00 a year; *Hub*, $3.00 a year; *Harness*, $1.50 a year. *American Harness and Saddlery Directory*, issued annually, price $4.00. Cable address, "Interbuy," New York. Codes, A B C Fourth and Fifth editions and Lieber's.

John Trageser Steam Copper Works, 447 West Twenty-sixth street, New York. Copper work of every description for chemical and sugar houses, wood alcohol plants, distilleries, etc.; galvanized iron and copper boilers; steel clad, steel enameled and coppered steel (Rex) baths; copper sinks, showers, balls and all kinds of copper work for plumbers' use.

The Transue & Williams Company, Alliance, Ohio. Drop forgings of every description; thresher teeth, connecting rods for traction engines, boiler clamps, links and pins for steel chains for dredging engines, flanges for ammonia connections, cold shuts and links for steam shovels, wrenches, chisels, punches, journal wedges for railway cars, drawbar followers for locomotives and railroad cars; dies constructed for special forgings from one ounce to one hundred pounds each. Cable address, "Tranwilco," Alliance.

The Traut & Hine Manufacturing Company, New Britain, Conn. Buckles and other metal trimmings for suspenders and garters; snap fasteners or buttons for gloves, pocketbooks, suspenders, corsets, coats, trunks, umbrellas, etc. Cable address, "Trauthine," New Britain. Code, Atlantic Directory.

Travers Brothers Company, 41 Worth street, New York. Twine mills in New York; cotton mills at Roanoke, Va.; rope mills at Astoria, N. Y., and Easton, Pa. Twines, rope hammocks, sash cord; every class of twine made from cotton, jute, Italian and Russian hemps, Belgian, Russian, Irish, Hungarian and Canadian flax; Manila, sisal, jute and cotton ropes and binder twine, and all grades of sash cords and hammocks.

M. H. Treadwell & Co. of Pa., Lebanon, Pa. New York office, 97 Liberty street. Freight cars, furnace charging barrows, furnace cinder cars and all kinds of furnace and rolling mill work.

Tremont and Suffolk Mills, 70 Kilby street, Boston Mass. Mills at Lowell, Mass. Canton and French flannels, blankets, outings, drills, brown sheetings, hosiery yarn.

Trent Tile Company, Trenton, N. J. Art and embossed tile, majolica or plain enamel tile, white wall tile, caps and bases, non-crazing tile for wainscoting, hand painted tile, aseptic floor tile, vitrified and glazed ceramics, ceramic mosaic floors. Cable address, "Trent," Trenton. Codes, Atlantic Directory, A B C, Western Union and private.

Trenton Oil Cloth and Linoleum Company, Trenton, N. J. New York office, 41 Union square. Table and black enamel oil cloth, imitation leathers, printed and inlaid linoleums. Cable address, "Lino," Trenton. Code, A B C.

The Trenton Potteries Company, Trenton N. J. Sanitary and plumbers' earthenware and vitreous china; water closets of all kinds, basins, urinals and lavatories; solid porcelain bath tubs, laundry tubs, lavatories, sinks, etc.; toilet ware and druggists' sundries, pedestals and jardinieres, plain, white or decorated. Cable address, "Tepeco," Trenton. Codes, A B C, Lieber's, International, Standard, Manufacturers' Export, Atlantic Directory and Western Union.

Trenton Watch Company, Trenton, N. J. Watch movements and complete watches of various sizes and grades to suit all requirements; clock escapements, cyclometers and small mechanical novelties. Cable address, "Watch," Trenton. Codes, A 1 and Lieber's.

Trevor Manufacturing Company, Lockport, N. Y. Machinery for making shingles, barrel headings and staves, wooden handles for tools, etc., and veneer lumber. Cable address, "Trevor," Lockport. Codes, A B C Fourth edition, Western Union and Postal Telegraph.

Trimont Manufacturing Company, Roxbury, Mass. "Trimo" tools, consisting of the "Trimo" pipe-wrench, chain wrench, offset wrench and pipe cutter. Foreign agent for Europe: American Radiator Company, London. Cable address, "Triwrench," Roxbury. Code, Western Union.

Trinity River Lumber Company, Houston, Texas. Mills at Leonidas, Humble, Conroe and Clinesburg, Texas. Yellow pine and cypress lumber, lath and shingles.

The Triumph Electric Company, Cincinnati, Ohio. New York office, 39 Cortlandt street. Manufacturers of electric machinery of all kinds; belted generators, for lighting and power; direct connected generators, engine and marine types; motors for belting and gearing direct to machine tools, cranes, elevators, pumps, laundry machines, printing presses, and all other apparatus; back geared motors for slow speed; variable speed motors for special work; motor generator sets; booster sets; electro-plating machines; freight and passenger elevator motors and controllers; electric brakes; switchboards. Cable address, "Triumph." Code, Lieber's.

Albert Trostel & Sons, 612 to 652 Commerce street, Milwaukee, Wis. Branch at 55 South street, Boston, Mass. Leather: patent cow sides, patent horse, Russia calf, Phoenix kid (smooth glazed chrome calf), Krom lustre calf (box calf), Krom waterproof sides, Krom wax calf, "Centaur" and "Minotaur" calf (a smooth or boarded chrome tanned side leather), kangaroo calf, "Mahdi" calf, etc.; harness and saddlery leather. Foreign branch in London, 2 Leather Market, Bermondsey, S. E. Cable address, "Trostel," Milwaukee. Codes, Widebrook, A B C Fourth and Fifth editions and Lieber's.

Troy Blanket Mills, Troy, N. H. Selling agents: L. C. Chase & Co., 129 Washington street, Boston. Horse blankets, cheap coat linings.

The Troy Carriage Sun Shade Company, Troy, Ohio. Wagon and carriage specialties, such as umbrellas for wagons, three-bow tops for express wagons and trucks; umbrellas and folding canopies for driving wagons, surreys, phaetons, traps, automobiles, etc.; also duck advertising novelties. Cable address, "Sunshade," Troy, Ohio. Code, Western Union.

Troy Nickel Works and Albany Foundry Company, Albany, N. Y. Ranges: "Palace Argand" and "Argand" gas ranges; coal, wood and gas stoves; stove hardware and trimmings, knobs, handles, pokers, lid lifters, shovels, food choppers—trade mark "Alaska." Export agents: Guiterman, Rosenfeld & Co., Markt & Co., Hammacher, Delius & Co., New York. Cable addresses: "Nickel" and "Argand," Albany. Codes, Atlantic Directory and Western Union.

The Troy Wagon Works Company, Troy, Ohio. Farm, freight, log and dump wagons, and steel wheel trucks.

Trump Brothers Machine Company, Wilmington, Del. Underwear machinery; automatic machinery for knitting hosiery; drill chucks, lathe center grinders, Fleetwood & Dexter scroll saws; light special machinery. Foreign agents: Charles Churchill & Co., Ltd., London.

Truscott Boat Manufacturing Company, St. Joseph, Mich. Row boats, power launches and yachts; electric launches, vapor and gasoline marine engines; adjustable boat canopies. Cable address, "Truscott," St. Joseph, Mich. Code, Western Union.

Tubbs Cordage Company, 613 Front street, San Francisco, Cal. Manila and sisal rope and binder twine of every description; specialties: oil well drilling cables, manila transmission rope, ships' hawsers and towing lines of extra sizes and lengths. Foreign agents: R. W. Cameron & Co., Sydney; Alfred Haas, Casilla 317, Lima, Peru. Cable address, "Tubbs," San Francisco. Codes, A B C, A 1 and private.

Tubular Rivet and Stud Company, 87 Lincoln street, Boston, Mass. Works at Wollaston, Mass. Tubular rivets, pronged rivets, lacing studs and hooks; rivet and hook applying machines. Cable address, "Rivet," Boston. Code, Atlantic Directory.

Tucker & Dorsey Manufacturing Company, Indianapolis, Ind. New York office: John H. Graham & Co., general selling agents, 113 Chambers street. Hardware and woodenware specialties: money drawers, "Tucker's" alarm till or cash drawer; barrel, box and wareroom trucks, truck wheels, etc.; vegetable slicers, slaw and kraut cutters; towel rollers, hat and coat racks, clothes racks, etc.; knife and fork trays, lemon squeezers, antifriction furniture and truck casters, "Martin," "Boss," "Tucker." "Dorsey" and "Stengel" patents; rubber tired truck casters and wheels, etc. Cable address, "Tucker," Indianapolis. Code, A B C.

The Tuhey Canning Company, Muncie, Ind. Makers of all varieties of canned goods.

Walter H. Tuttle Company, 216 Market street, Lynn, Mass. Boston sample office, 46 Lincoln street. Ladies' fine boots and shoes.

Twentieth Century Manufacturing Company, 19 Warren street, New York. Bicycle and automobile lamps; acetylene house plants.

Tyer Rubber Company, Andover, Mass. Rubber goods, bulb and fountain syringes, atomizers, elastic bands, surgical bandages, air and invalid cushions, nipples, water bottles, stopples and druggists' rubber supplies, tobacco pouches, surgical supplies of rubber, mould work, Foreign agents: Alfredo M. Slack, Box 1661, Buenos Aires; F. A. Peters, York Chambers, Sydney. Cable address, "Tyrian," Boston. Codes, A B C and Western Union.

The W. S. Tyler Company, 1140 St. Clair street, Cleveland, Ohio. New York office, 11 Broadway. Wire cloth and netting, wire and mining screens; elevator cars and elevator enclosures; ornamental iron; bronze and brass work; bank railings and grilles; wires for paper mills. Foreign agents: Arthur L. Gibson, 20 Tower street, London; Fraser & Chalmers, Ltd., London; Ernesto Thomas, Santiago, Chile; La Cia. de Fabricantes Extrangeros, Ltd., Buenos Aires. Cable address, "Tyler," Cleveland. Codes, A B C, Moering & Neal's, Atlantic Directory and Western Union.

The Udell Works, Indianapolis, Ind. Library book cases, ladies' parlor desks, music cabinets, cylinder record cabinets, disk record cabinets, magazine cabinets, music box tune sheet cabinets, piano player music cabinets, medicine cabinets, toilet cabinets, sick room commodes, blacking cases; folding tables, card and sewing; invalid trays, hall and toilet trees, hook racks, clothes bars, butlers' trays and stands, spice cabinets, lap boards, ironing boards and stands, wash benches, towel rollers, towel arms, rope reels, step and extension ladders, painters' trestle and stages, long ladders.

J. Ullrich & Co., Thames and Greenwich streets, New York. Fountain and stylographic pens. Foreign agents: A. W. Faber, 149 Queen Victoria street, London; Wm. E. Peck & Co., New York, for Australasia

and South Africa; F. H. Lovell & Co., New York, for India, Ceylon and Straits Settlements. Cable address, "Pincushion," New York. Code, Western Union.

Underwood Typewriter Company, 241 Broadway, New York. Works at Hartford, Conn. Underwood Standard Typewriter.

H. B. Underwood & Co., 1025 Hamilton street, Philadelphia, Pa. Portable tools, boring bars, rotary planing machines, crank pin turning machines, radius planer attachments, portable milling machines. Foreign agents: Selig, Sonnenthal & Co., London. Cable address, "Underwood," Philadelphia. Codes, Lieber's and Western Union.

The Union Bag and Paper Company, 17 Battery place, New York. Factories at Sandy Hill, Ballston and Hadley, N. Y.; Watertown, Mass.; Kaukauna, Wis.; Three Rivers, Canada. Paper bags. Cable address, "Ubag," New York. Codes, Western Union and A B C.

Union Carbide Company, 157 Michigan avenue, Chicago, Ill., and 45 Broadway, New York. Works at Niagara Falls, N. Y., and Sault Ste. Marie, Mich. Calcium carbide. Cable address, "Calcar," Chicago and New York. Code, Western Union.

The Union City Carriage Manufacturing Company, Union City, Ind. Carriages, phaetons and buggies.

The Union Coal and Coke Company, 204 Opera House block, Denver, Col. Coal, coke and charcoal.

Union Cooperage Company, Second and Penrose streets, St. Louis, Mo. All kinds of kegs and half barrels (tight cooperage); well buckets and wood water coolers. Cable address, "Uncoco," St. Louis. Code, Western Union.

Union Drawn Steel Company, Beaver Falls, Pa. New York office, 127 Duane street. Branches in Philadelphia, Boston and Chicago. Bright polished steel and iron shafting, piston rods, pump rods, in rounds, ⅛ to 8-inch diameter; flats, squares, hexagons and special shapes, and screw steel. Foreign agents: South British Trading Company, Ltd., London. Cable address, "Uniondrawn," New York. Codes, A B C Fourth edition and Lieber's.

Union Drop Forge Company, 64-76 East Ohio street, Chicago, Ill. Iron and steel drop forgings, crude oil burners and forges, Union drop forged claw bars, railroad track tools.

Union Gas Engine Company, 240 First street, San Francisco, Cal. Gas and oil engines for marine and stationary service. Foreign agents: W. A. Ryan & Co., Auckland, N. Z.; Von Hamm Young Co., Honolulu; Union Oil Engine Co., Sydney; P. W. Armstrong, Perth, W. Australia; Allen & Marshall, Manila; Kuwabara, Oka & Co., Osaka, Japan; J. W. Kew, Hongkong. Cable address, "Unigas," San Francisco. Codes, A 1, A B C Fourth edition and Western Union.

Union Iron Works, Decatur, Ill. "Western" corn shellers and cleaners, grain elevator machinery and supplies.

Union Iron Works, Spokane, Wash. Mining and smelting machinery: copper and lead smelting furnaces, slag trucks, concentrators, rock crushers, ore cars, milling machinery, hoists, engines and aerial tramways. Jobbers of iron and steel, rubber and leather belting, small brass goods, pipe, etc. Codes, Lieber's, Moering & Neal's.

Union Lumber Company, Crocker building, San Francisco, Cal. Lumber.

Union Malleable Iron Company, East Moline, Ill. Malleable iron castings, sawdust conveyor and drive chain.

Union Metal Company, 54 Bluxome street, San Francisco, Cal. Smelting and refining.

Union Petroleum Company, 135 South Second street, Philadelphia, Pa. Works at Wellsville, N. Y., and Clarendon, Pa. Lubricating, illuminating and medicinal petroleum oils, and petrolatum (paraffine molle); all grades of cylinder, engine, dynamo, wool and cordage oils; 150° water white, 73° "Abel," and all other grades of illuminating oils; 300° "Mineral Colza" for steamers and railroads; solidified oils; lubricating, spar and belt greases; bicycle and sewing machine oils, in bulk or bottles, also petrolatum in bulk or any sized tins or bottles; dealers in all animal and vegetable oils, etc. Equipped for shipping bulk cargoes of illuminating and gas oils, Texas crude oil and Texas gas oil distillate. Foreign agents: Worthington & Boler, Liverpool and London; H. Phil. Müller, Antwerp; A. Benoit & Co., Dunkirk, France; James L. Hatrick & Co., Ltd., London (for petrolatum). Cable address, "Lucid," Philadelphia. Codes, A B C Fifth edition, Lieber's and private.

The Union Rolling Mill Company, Aetna street and C. & P. R. R., Cleveland, Ohio. Merchant bar iron and steel.

Union Steam Pump Company, Battle Creek, Mich. Steam pumps: steam piston and plunger pumps, high and low duty pumps, single cylinder double-acting pumps; boiler feed, tank, gas house, distillery, lard and soap, creamery, oil, beer, whiskey, hot and cold water, air, vacuum, automobile, artesian and hydraulic pumps; deep well heads, slow speed steam motors. Export agents: New York Export and Import Co., New York; James Beggs & Co., New York. Foreign agents: Frederick A. Pullen & Co., London; R. Rogers & Co., Paris; Ingelsee & Co., Schiedam, Holland; Kay Dyhr & Co., Copenhagen. Cable address, "Union," Battle Creek. Codes, A B C Fourth edition, Lieber's, Western Union and private.

Union Steel Casting Company, Sixty-first street and A. V. R. R., Pittsburg, Pa. Steel castings of every description: driving wheel centers, engine frames and other locomotive castings a specialty.

Union Stock Yards Can Company, 226-228 North Franklin street, Chicago, Ill. Tin cans: meat cans (roll top key openers), fruit cans, and other kinds of tin cans.

The Union Stove Works, Inc., 70 Beekman street, New York. Works at Peekskill-on-Hudson, N. Y. Coal, wood and gas stoves and ranges; oil stoves, hot air furnaces. Cable address, "Unionstove," New York. Codes, A B C, Lieber's and Manufacturers' Export.

Union Typewriter Company, 15 Exchange place, Jersey City, N. J. Works at Bridgeport, Conn. Typewriters.

Union Wadding Company, Pawtucket, R. I. Cotton wadding, cotton batting, machinery waste, dealers in comber and all kinds of spinning waste. Cable address, "Wadding," Pawtucket. Code, Shepperson's.

Union Waxed and Parchment Paper Company, 277 Broadway, New York. Works at Hamburg, N. J.; Rock City Falls, N. Y.; Franklin, Ohio; Elkhart, Ind. Tissue and waxed papers. Cable address, "Sparwax," New York.

Union Wire Mattress Company, 73 Erie street, Chicago, Ill. Iron bedsteads, children's beds, woven wire mattresses, spiral spring and hospital beds, bedside tables. Cable address, "Unionwire," Chicago. Code, A B C.

The Uniontown Flint Glass Company, Uniontown, Pa. Bottles only.

United and Globe Rubber Manufacturing Companies: main office and works, Trenton, N. J. New York office, 26 Broadway; Chicago office, 303 Railway Exchange; St. Louis office, Commonwealth Trust building. Rubber hose, belting, packings, springs, valves, and all goods

used for mechanical purposes. Mechanical rubber goods for railways, steamships and mining companies a specialty. Foreign agent: W. N. Schoff, 29 Great Saint Helens, London.

The United Autographic Register Company, 87-89 West Jackson boulevard, Chicago, Ill. Autographic registers and supplies.

United Box Board and Paper Company, 11 Broadway, New York. Forty-four factories in various States. Box boards of all kinds and special papers. Foreign branch in London. Cable address, "Boxboards," New York. Codes, A 1, A B C Fourth edition, Western Union and Lieber's.

United Engineering and Foundry Company, Farmers' Bank building, Pittsburg, Pa. Works at Pittsburg and at Youngstown, Ohio. Lap and butt-weld pipe machinery; rolling mills for tin plate, sheets, plates, bars, rods, structural steel, rails, copper, brass and zinc; shearing machinery for tin plate, sheets, plates, bars, rods, structural steel, ingots, scrap material; hydraulic shears, cranes, accumulators, testing machines; chilled rolls, grain rolls, steel rolls. Cable address, "United," Pittsburg. Code, Lieber's.

The United Gas Improvement Company, Broad and Arch streets, Philadelphia, Pa. Standard double superheater Lowe water gas apparatus. Cable address, "Ladnar," Philadelphia. Code, A B C.

United Indurated Fibre Company of New Jersey, Lockport, N. Y. Pails, tubs, spittoons, keelers, basins, liquid measures, funnels, foot baths and other domestic articles.

United Oil and Refining Company, 16 State street, Boston, Mass. Refineries at Beaumont, Texas. Lubricating and refined oils; also asphalt. Foreign agent: Louis C. Hay, 96 Billiter buildings, 49 Leadenhall street, London, E. C. Cable address, "Centoilco," Boston. Code, Western Union.

United Shirt and Collar Company, Troy, N. Y. New York office, 739 Broadway. Factories at Troy and Albany, N. Y., and Fair Haven, Vt. Lion brand collars, cuffs, shirts, night robes, pajamas and bath robes. Cable address, "Lion," Troy. Code, International.

The United States Bung Manufacturing Company, 50 South Second street, Brooklyn, N. Y. Factory at Cincinnati, Ohio. Bungs, plugs, taps, spiles, of all kinds of wood; faucet plugs and vent bungs; deck plugs for shipbuilders; bung bushes and bung wrenches, bung hole borers and reamers; beer ventils, safety tap and beer pumps; "Magic" patented beer taps and bushes; also "Magic" bung inserting tools. Cable addresses: "Beeston," Brooklyn; "Pentlarge," Cincinnati. Code, private.

United States Cotton Duck Corporation, Baltimore, Md. New York agents: Catlin & Co.; The J. Spencer Turner Co.; Wellington, Sears & Co., and G. K. Sheridan & Co. Mills in various New England and Southern States. Cotton duck, drills, yarn, rope, twines, etc.

United States Engine Company, Parkersburg, W. Va. Manufacturers of oil well specialties, steam engines and gas engines, especially adapted for drilling and operating oil, gas and artesian wells. Manufacturers' agents for the sale of wrought iron and steel pipe, tubing and casing.

The United States Finishing Company, 320 Broadway, New York. Works: Norwich, Conn.; Pawtucket, R. I.; Passaic, N. J.; Sterling, Conn.; Providence, R. I. Bleachers, dyers and finishers of cotton piece goods.

United States Glass Company, Pittsburg, Pa. New York office, 29 Murray street. Table glassware, decorated and plain; lamps, show jars and packers' jars. Foreign branches in London and Sydney. Cable address, "Hylos," Pittsburg. Code, Western Union.

United States Gypsum Company, 184 La Salle street, Chicago, Ill. Works in eleven States. All kinds of gypsum and plaster of Paris products. Jobbers of hydraulic cements and lime.

United States Head-Light Company, Dart and Letchworth streets, Buffalo, N. Y. Headlights for all services, oil headlights, gas headlights, electric headlights, both arc and incandescent. Jobbers of headlight supplies; glassware, chimneys, globes and circles; wicks, electrical carbons, conductor wire, etc. Cable address, "Headlight," Buffalo. Codes, A B C Fifth edition and Western Union.

United States Heater Company, 251 Campbell avenue, Detroit, Mich. New York office, 129 Worth street. "Capitol" hot water and steam boilers and "Capitol" hot water and steam radiators, for heating purposes. Jobbers of valves and all steam specialties used with heating apparatus. Cable address, "Capitol," Detroit. Code, Western Union.

The United States Playing Card Company, Cincinnati, Ohio. New York office, 685 Broadway. Playing cards of all grades, sizes, styles and colors; monogram club cards, souvenir playing cards with scenery faces; advertising cards; educational card games for schools and home use; duplicate whist apparatus; poker chips, dominoes and checkers. Foreign agency in London. Cable addresses: "Bicyclcard," Cincinnati or New York; "Mautarot," London. Codes, A B C Fourth and Fifth editions, Atlantic Directory and Manufacturers' Export.

The United States Printing Company, Sixth and Lock streets, Cincinnati, Ohio. Labels, show cards, folding boxes.

United States Reduction and Refining Company, Colorado Springs, Col. New York office, 54 Wall street. Works at Colorado City, Florence and Canon City, Col. Smelting and reduction of ores.

United States Smelting Company, Dooly block, Salt Lake City, Utah. Works at West Jordan, Utah. Copper, lead, silver, gold bullion. Code, Bedford McNeal's.

United States Whip Company, Westfield, Mass. Whips, lashes, hickory stocks, coil washers (leather).

The United Zinc and Chemical Company, Kansas City, Mo. New York office, 59 Wall street. Works at Argentine and Iola, Kan. Spelter, sulphuric acid, muriatic acid, nitric acid, mixed acid, salt cake, Glauber salts, sodium sulphide. Cable address, "Chemical," Kansas City. Codes, Western Union, A B C, Bedford McNeal's.

Unity Cotton Mills, La Grange, Ga. Heavy ducks and yarn.

Universal Caster and Foundry Company, 1170 Broadway, corner Twenty-eighth street, New York. Works at Newark, N. J. Ball-bearing, grip neck, "Philadelphia," metallic bedstead and piano-forte casters. Small iron castings a specialty. Cable address, "Stancast," New York. Code, Anglo-American Fourth edition.

The University Press: John Wilson & Son, Inc., Cambridge, Mass. Electrotype plates and all forms of printed matter, book work, trade catalogues, sample books and magazines. Cable address, "Versipress," Boston. Code, Adams Cable Codex Tenth edition.

The Upson Nut Company, Cleveland, Ohio, and Unionville, Conn. New York office, 107 Chambers street. Carriage bolts, machine bolts, plow bolts, lag screws, coach screws, hot pressed nuts, cold pressed punched nuts, wrought washers, felloe plates, clip yokes, tire bolts, stove bolts, etc. Cable address, "Upsonnutco," Cleveland. Code, Western Union.

Utah Light and Railway Company, Salt Lake City, Utah. Electric current and gas.

Utica Cabinet Company, Knoxville, Tenn. Roll and flat top office desks.

Utica Cement Manufacturing Company, Utica, Ill. Natural hydraulic cement.

Utica Hydraulic Cement Company, Utica, Ill. Natural hydraulic cement.

Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y. Selling agents: Taylor, Wendell & Co., 109-111 Worth street, New York. Cotton sheetings, gray 40 to 108 inches wide, bleached 36 to 100 inches wide; sheets and pillow cases in various widths and styles; fine shirtings; cotton yarns carded and combed, white and colors, on cops, cones or skeins.

Utz & Dunn, 37 Canal street, Rochester, N. Y. New York office, 119 West Twenty-third street. Ladies', misses' and children's fine and medium grade foot wear (boots, shoes and slippers), in McKay sewed, Goodyear welts and turns. Foreign agents: I. M. Eldridge, Hotel Cecil, London; A. & S. Straus & Co., Hamburg. Cable address, "Utzdun," Rochester. Code, Western Union.

The Vajen-Bader Company, Inc., Richmond, Ind. Firemen's head protectors for use in gas or ammonia fumes. Foreign agents: Gorton, Oddy & Co., Johannesburg; J. E. Spagnoletti & Co., London; Frazar & Co., Yokohama. Cable address, "Vajen," Richmond, Ind.

M. D. Valentine & Brother Company, Woodbridge, N. J. Other works at Valentines, N. J. Fire brick, blast furnace brick and refractory cupola linings. Miners and shippers of refractory clays, fire sand, core sand for foundries and foundry clays.

Valentine & Co., 257 Broadway, New York, and 277 Dearborn street, Chicago, Ill. Varnishes, japans and colors. Foreign agents: J. Rose & Co., Amsterdam; Lemoine, 21 rue de Lappe, Paris; Whittingham & Wilkins, London. Cable address, "Copal," New York.

Van Allens & Boughton, 17 Rose street, New York. Works at Taunton, Mass. (Huber-Hodgman Printing Press Company). Huber printing presses. Jobbers of Brown & Carver cutting machines. Foreign agents: P. Lawrence, 57 Shoe Lane, London; Dr. Otto C. Strecker, Klappacherstrasse 11, Darmstadt, Germany. Cable address, "Vanhuber," New York. Code, A B C Fifth edition.

Van Camp Packing Company, Indianapolis, Ind. Evaporated cream; pork and beans prepared with tomato sauce, concentrated soups, tomato catsup; general line of canned meats and vegetables. Export agents: Henry W. Peabody & Co., New York; Arkell & Douglas, New York. Foreign agents: Grant, McIntosh & Co., London. Cable address, "Zucamp," Indianapolis. Codes, A B C and private.

The Van Dorn Iron Works Company, Cleveland, Ohio. Joist and timber hangers, steel and wire fencing, japan ovens; structural, house and stable iron work; window and area gratings, fire or burglarproof vaults; bakers' supplies, bread and dough troughs; office furniture, steel files and roller book shelves; vault doors; expansion, folding and swinging gates; lawn, stable and porch furniture, elevator fronts, iron vases, fire or burglarproof shutters, vanes, hitching posts, pipe railings, fire escapes, station house prison cells, steel window frames and sash.

The Van Dorn & Dutton Company, 1796 East Madison avenue, Cleveland, Ohio. Manufacturers of gears and pinions for electric railway motors; jobbing gears and gear cutting. Cable address, "Vanton," Cleveland. Codes, A B C and Lieber's.

Van Dyke Knitting Company, 255 South Water street, Milwaukee, Wis. Knit underwear.

The John Van Range Company, Southwest corner Fifth street and Broadway, Cincinnati, Ohio. Hotel and family portable steel ranges,

coffee and tea urns, white enameled carving tables, portable bake ovens, copper ware, and general kitchen outfitters. Cable address, "Vanrange," Cincinnati. Code, Western Union.

E. Van Winkle Gin and Machine Works, Atlanta, Ga. Cotton ginning machinery and cotton-seed oil machinery; gins, presses, shafting, pulleys and mill work in general; oil presses, hullers, linters, rolls, heaters, formers, tanks; cake grinding machinery, fertilizer machinery, cotton-seed separating and cleaning machinery.

Van Zandt, Jacobs & Co., Troy, N. Y. New York office, 636-638 Broadway. Shirts, collars and cuffs.

The Variety Iron Works Company, Cleveland, Ohio. Steel buildings and bridges; boilers, chimneys, stand pipes, blast furnaces of iron and steel and general machine and plate work. Cable address, "Webmac," Cleveland. Code, Western Union.

Vaughan & Bushnell Manufacturing Company, 885 Carroll avenue, Chicago, Ill. Carpenters' and machinists' hammers, blacksmiths' anvil tools and tongs, pinchers and pliers, wrenches, butchers' hooks and tools.

Vaughn Machine Company, Peabody, Mass. Tanners' machinery and belt makers' machinery; miscellaneous machinery on contract; gray iron, brass and composition castings. Foreign branches in Frankfort o/M, Leicester, England, and Vienna. Foreign agents: Fred. Alderson & Co., Ltd., Sydney; Gustave L. Fevre, Buenos Aires. Cable address, "Vaughnco," Peabody, Mass. Codes, A B C Fourth edition, Atlantic Directory and Western Union.

Vehicle and Implement Spring Company, Pontiac, Mich. Harrow and hay rake and agricultural springs; also carriage, truck and automobile springs.

Velie Carriage Company, Moline, Ill. Vehicles: high grade top buggies, road wagons and surreys. Code, A B C.

Vermont Farm Machine Company, Bellows Falls, Vt. Improved "United States" centrifugal cream separators, dairy and factory sizes; "Cooley" creamers, for gravity cream raising; "Davis" swing churns, butter workers, butter printers, cream vats; "Babcock" milk, cream, skim milk and buttermilk testers. Export selling agents: Strong & Trowbridge Co., New York (for Turkey, Greece and Bulgaria); Henry W. Peabody & Co., New York (for Babcock testers in Australia); James T. Hall, Jr., San Antonio, Texas (for Mexico). Foreign selling agents: Baker, Baker & Co., King William's Town, South Africa (for Cape Colony); Ranga Raju & Bros., Madras (for India). Cable address, "Vermonfarm," Bellows Falls. Codes, Lieber's, Western Union and Commercial.

The Vermont Slate Company, Inc., Granville, N. Y. Quarries at West Pawlet, Vt.; Western sales office and metal department and factory at Zanesville, Ohio. "Superior" sea green slate; unfading green, red and purple roofing slate; the Vermont Safety oil cans, Vermont Rural Free Delivery mail boxes, Vermont torches and Continuous tin roofing; spouting, eaves trough and conductor ridge roll. Jobbers of black slate, black boards, tin plate, galvanized and black sheet iron, sheet copper and metals, corrugated iron and steel roofing, and all kinds of tinners' and roofers' supplies. Foreign branch, 53 Victoria street, London. Cable address, "Vermontico," Granville, N. Y. Code, private.

Verona Tool Works, Murtland building, Pittsburg, Pa. Works at Verona and Oakmont Boro, Pa. Railroad track, blacksmiths' and mining tools—all of selected solid cast steel. Foreign agents: Henry R. Merton & Co., Ltd., London. Cable address, "Verona," Pittsburg. Code, Western Union.

The Victor Fuel Company, Denver, Col. Mines at Hastings, Gray Creek, Maitland, Chandler, Delagua and Radiant, Col. Coal and coke.

Victor Manufacturing Company, Greers, S. C. Wide print cloths and fancies.

A. H. Vilas Company, 319 West Lake street, Chicago, Ill. Picture frames and mouldings, room mouldings, advertising frames.

Virginia-Carolina Chemical Company, Richmond, Va. Works at Baltimore, Md.; Richmond and Norfolk, Va.; Wilmington, N. C.; Charleston and Port Royal, S. C.; Savannah, Ga.; Mobile, Ala., and many other places. Sulphuric acid, superphosphate of all grades, fertilizers of all grades, phosphate rock, cotton-seed products of every kind (including compound lard), and many other chemicals. Cable address, "Virgincaro," Richmond. Codes, A B C, Lieber's, McNeil's Mining and General Telegraphic.

The Virginia and Pittsburgh Coal and Coke Company, Fairmont, W. Va. Coke ovens at Kingmont, W. Va. Export office: Hite & Rafetto, general agents, 724 Stephen Girard building, Philadelphia, Pa. Manufacturers of coke. Miners and shippers of gas, steam and domestic coal. Store at Kingmont, W. Va., doing a general merchandising business.

William Vogel & Brothers, 37 South Ninth street, Brooklyn, N. Y. Special work in all sheet metals. Cable address, "Vogeltin," Brooklyn. Code, Atlantic Directory.

Henry Vogt Machine Company, Louisville, Ky. Boilers (tubular, water tube and Morrison); machinery (ice making and refrigerating); towers and tanks, ammonia fittings. Jobbers of steam pumps, steam engines, feed water heaters. Cable address, "Vogt," Louisville. Codes, A B C Fourth edition and Western Union.

Vogt Manufacturing and Coach Lace Company, Rochester, N. Y. Carriage fringes, tassels, laces, cords, etc.; casket fringes, tassels, cords, rosettes, pulls, slides; hearse fringes, tassels, etc.; textile specialties, webs, tapes, etc.

The Jacob J. Vollrath Manufacturing Company, Sheboygan, Wis. Enameled stamped steel and cast iron ware.

The Von Behren Manufacturing Company, Evansville, Ind. Woodwork for wagons, carriages and buggies: bent felloes or rims, shafts, poles, neckyokes, singletrees, doubletrees, crossbars and axle beds; furnished in the white, partly finished, or in the rough.

S. B. Vrooman Company, Ltd., 1133 Beach street, Philadelphia, Pa. Mahogany, Spanish cedar and teak, and all kinds of domestic hard woods. Cable address, "Vrooman," Philadelphia. Code, A B C.

Vulcan Foundry and Machine Company, New Castle, Pa. Pittsburg office, 208 Wood street. Rotating jib cranes, power shears, rolling mill machinery. Cable address, "Vulcan," New Castle, Pa. Code, Western Union.

Vulcan Iron Works, 505 Mission street, San Francisco, Cal. Ice making and refrigerating machines, saw mill machinery, double rope tramways, wire ropeways, stamp mills, rock breakers, etc. Foreign agents: John Burns & Co., Auckland; Parke & Lacy Co., Ltd., Sydney; Catton, Neill & Co., Honolulu; East Asiatic Co., Ltd., Port Arthur. Cable address, "Vulcan," San Francisco. Codes, Western Union and Lieber's.

The Vulcan Iron Works, Seattle, Wash. Logging, marine and hoisting engines; architectural iron work; mill, mining, marine, logging, railroad and cannery machinery. Jobbers of iron and steel, pipe and fittings, brass and copper; all kinds of tools, packings, gauges, valves, rubber

goods and mill, marine, logging and railroad supplies. Cable address, "Vulcaniron," Seattle. Code, Western Union.

Vulcan Iron Works, Wilkes-Barre, Pa. Mining machinery and light locomotives; hoisting and haulage engines; coal crushers, coal screens, hoisting cages, air compressors, return tubular boilers, ventilating fans, cement kilns, coal and clay dryers, Corliss engines.

The Vulcan Iron Works Company, 916 Summit street, Toledo, Ohio. Steam shovels, dredges, excavators, boiler fronts. Cable address, "Vulcan," Toledo. Code, McNeil's.

The Vulcan Plow Company, Evansville, Ind. Steel and chilled iron walking and riding plows.

Vulcanite Portland Cement Company, Land Title building, Philadelphia, Pa. New York office, Fifth avenue and Twenty-third street. Works at Vulcanite, N. J. Portland cement, "Vulcanite" brand. Cable address, "Vulment," Philadelphia. Codes, Lieber's and Western Union.

Wabash Cabinet Company, Wabash, Ind. Business systems; office filing devices, both sectional and standard construction; cards, indexes, transfer cases, etc.; display cases, autographic cash registers and cash register paper.

Wachusett Mills, Worcester, Mass. New York office, 621 Broadway. Rubdry bath towels, Rubdry glow bath towels and Rubdry wash cloths. Foreign agents: Patterson & Ruhfus, Melbourne. Cable address, "Rubdry," Worcester. Code, Lieber's.

Wachusett Shirt Company, Leominster, Mass. New York office, 576 Broadway. White and negligee shirts and night robes.

The Wadsworth Watch Case Company, Dayton, Ky. New York office, 11 John street. Watch cases.

Waite, Thresher Company, 61 Peck street, Providence, R. I. New York office, 7 Maiden Lane. Jewelry, solid gold, silver and gold-filled; gold rings, brooches, silver thimbles, etc.

Walden Knife Company, Walden, N. Y. Pocket knives.

John Waldron Company, New Brunswick, N. J. Machinery for wall paper, coating, embossing, air drying, sand paper, calico printing, oil cloth, carpet printing, carbon paper, slitting and rewinding, crepe paper and paper napkins, paraffining, pasting, brush boring, ivory button; calenders, sheet and roll bronzers, special machinery. Cable address, "Waldron," New Brunswick. Code, A B C Fourth and Fifth editions.

Wallace & Co., 160 Monroe street, New York. Chocolates and confectionery. Cable address, "Sayo," New York. Code, Lieber's.

R. Wallace & Son's Manufacturing Company, Wallingford, Conn.; 226 Fifth avenue, New York; Silversmith building, Chicago; 110 Sutter street, San Francisco. Solid silver table ware and plated ware; sterling silver and plated silver toilet ware; sterling silver novelties. Foreign agent: H. T. Hobart, 63 Basinghall street, London. Cable address, "Enrecul," Wallingford. Code, A B C.

The Thomas J. Walton Printing Company, 27 Vine street, Salem, Ohio. Manufacturers of labels, special labels, trading stamps, labels printed in colors and cut to shape; office stationery, catalogues and book work.

Walworth Manufacturing Company, 128 Federal street, Boston, Mass. New York office, 13 Park Row. Works at South Boston. Apparatus for steam, gas and water fitters: a full line of tools, including Stillson pipe wrenches, Miller ratchet die plates, Walworth die plates fitted with standard and special dies, pipe taps and reamers, pipe cutters, vises, brass and iron valves and fittings, "Walmanco" pipe joints; wrought iron and steel pipe, cast iron pipe and street boxes for water

works; pipe cut and bent to sketch. Foreign agents: Aug. Eggers, Bremen; H. Munzing, 189 Upper Thames street, London; H. Munzing & Co., 29 rue des Petites Ecuries, Paris; New York Export and Import Co., Calcutta, Bombay, Singapore, Manila, Hongkong and Shanghai. Cable address, "Walmanco," Boston. Codes, A B C and Lieber's.

Henry K. Wampole & Co., 426 Fairmount avenue, Philadelphia, Pa. New York office, 68 Broad street. Pharmaceutical preparations, pulverous pills, compressed tablets, elixirs; effervescent salts, medicinal wines and syrups, fluid extracts and medicinal specialties of all kinds. Branches in Toronto, Canada, and Mexico City. Cable address, "Wambury," New York.

Wamsutta Mills, New Bedford, Mass. Cotton goods: bleached and brown sheetings, plain, twilled and double warp, all widths to 150 inches; fine shirtings, cambric muslins, lawns, fancies, sateens, etc., and high grade yarns.

Waring Hat Manufacturing Company, Yonkers, N. Y. New York office, 15 West Fourth street. Soft fur hats. Foreign purchasing agents: Alfred Passavant, 172 Rue de Charonne, Paris; Passavant & Co., London. Cable address, "Waring," Yonkers. Codes, A B C Fourth and Fifth editions and Lieber's.

William R. Warner & Co., 639 North Broad street, Philadelphia, Pa. Branches: 65 Fulton street, New York; 47 Franklin street, Chicago; 508 Camp street, New Orleans. Pharmaceutical preparations: soluble coated pills and granules, dosimetric granules, Parvules; capsules, filled and empty; fluid extracts and elixirs, wines and syrups, tinctures; compressed tablets, hypodermic tablets, tablet triturates; granular effervescent salts, bromo-soda Ingluvin lithia water tablets, elixir salicylic, etc. Foreign branch in London. Cable address, "Quickpill," Philadelphia. Code, Adams.

Warner Sugar Refining Company, Waukegan, Ill. Glucose, grape sugar, corn syrups, starch, corn oil, corn oil cake, germ meal, gluten feed, brewers' sugar. Cable address, "Warncose," Waukegan.

The Warner & Swasey Company, 55 East Prospect street, Cleveland, Ohio. Turret machinery: The Hollow Hexagon Turret Lathe—made in three sizes, for work 1⅜x15, 2x24 and 3½x36 inches; vertical turret machines for boring and turning; screw machines and turret lathes; complete line of machine tools for the manufacture of steam fitters' and plumbers' brass goods. Also astronomical instruments; complete observatory equipments. Foreign agents for machine tools: Charles Churchill & Co., Ltd., London, Birmingham, Manchester, Newcastle-on-Tyne and Glasgow; Schuchardt & Schütte, Berlin, Cologne, Vienna, Brussels, Paris, Stockholm, St. Petersburg; F. W. Horne, Yokohama. Cable address, "Swasey," Cleveland. Codes, Lieber's and A B C.

C. A. Warren & Co., 230 Montgomery street, San Francisco, Cal. Cars, wagons, scrapers, rock skips, rollers, gas engines, etc. Contractors for railroad-jetty and building construction and general work.

Warren Manufacturing Company, Warren, Md. Cotton duck. Jobbers of cotton drills, sheetings, shirtings, ginghams, chambrays and outings. Cable address, "Woodward," Baltimore. Code, Brown-Shipley's.

Warren Manufacturing Company, Warren, R. I. Cotton fabrics and yarns: cambrics, muslins, sateens, twills, fancy dress goods, etc.; fine yarns carded and combed in cops, cones, skeins and beamed or in chain warps, single and twisted.

Warren-Ehret Company, 1204 Land Title building, Philadelphia, Pa. Works at Philadelphia, Leesport and Dunbar, Pa. New York office, 17

Battery place. Other branches in Baltimore, Washington, Scranton, Reading, Pittsburg and Trenton. Ehret's Slag Roofing (fire, acid and gas proof); roofing and paving materials.

Warwood Tool Company, Wheeling, W. Va. Picks, mattocks, grub and hazel hoes, coal miners' tools, sledges and heavy hammers, wedges and crow bars. Export agents: C. K. Turner & Son, 116 Broad street, New York. Cable address, "Wartoolco," Wheeling. Code, Western Union.

Washburn-Crosby Company, Minneapolis, Minn. New York office, 112 Broad street. Mills at Minneapolis, Minn., Buffalo, N. Y., St. Louis, Mo., and Louisville, Ky. All grades of spring and winter wheat flours.

Washington Brick, Lime and Manufacturing Company, Washington and Pacific avenues, Spokane, Wash. Works at Clayton, Springdale and Freeman, Wash., and Bayview, Idaho. Lime, common brick, pressed brick, repressed brick, fire brick, sidewalk brick, molded brick, and architectural terra cotta.

Washington Iron Works Company, Seattle, Wash. Standard upright and horizontal tubular boilers, logging engines, steam and electric hoisting engines, slide valve engines. Cable address, "Frink," Seattle. Code, Atlantic Directory.

The Washington Water Power Company, Spokane, Wash. Owns the water power at Spokane, Wash., and Post Falls, Idaho, which it develops electrically and transmits electric power to the Coeur d'Alene mining district (110 miles); supplies the city of Spokane with electric light and power, and owns and operates the street railway system of the city. Attractive opportunities offered to manufacturers with either water or electric power. It also owns and leases flouring mills in Spokane, exporting flour to China, etc. Codes. Lieber's, General Electric and Western Union.

Wason Manufacturing Company, Wason avenue (Brightwood), Springfield, Mass. Cars of all descriptions for steam and electric service, trucks for steam and electric cars, snow plows for electric railroads, railroad castings of gray iron, wrought iron and steel forgings. Jobbers of all materials for car construction. Export agents: Browne & Frothingham, 21 State street, New York. Cable address, "Wason," Springfield, Mass. Codes, A 1 and A B C.

The Water Paint Company of America, 11 Pine street, New York. Factory, Bellows Falls, Vt. Cold water paints and kalsomines; painting and spraying machines; casein. Foreign branch in Paris. Cable address, "Caseinco," New York. Codes, A B C Fourth edition and Lieber's.

Waterbury Brass Company, Waterbury, Conn. New York office, 99 John street. Brass in sheets, wire and rods; German silver in sheets, wire and rods; brass eyelets and small brass wares. Cable address, "Brassco," Waterbury. Codes, A B C and Western Union.

Waterbury Clock Company of New York, 10 Cortlandt street, New York. Works at Waterbury, Conn. Clocks and parts of clocks: nickel alarm clocks; mantel and office clocks; black wood, iron and gilt novelty clocks; all varieties of pendulum and lever clocks. Foreign branch in Glasgow. Cable address, "Seminole," New York.

The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. New York office, 120 Liberty street. Automatic drop hammers and nut and rivet machines; cartridge machinery; foot, drop and power presses; hand screw presses; forging drops; hydraulic accumulators, presses and draw benches; strap hinge and T-hinge making machinery; rolling mill machinery for sheet brass and silver; thread rolling and tube and wire drawing machinery; shears and slitters for sheet metal. Cable address, "Foundry," Waterbury. Code, A B C Fifth edition.

Waterloo Motor Works, Waterloo, Iowa. Gas and gasoline horizontal stationary engines, gasoline portable engines, gas and gasoline vertical pumping engines, gasoline automobiles. Foreign agents: James Martin & Co., Sydney. Cable address, "Motorworks," Waterloo. Code, A B C.

H. F. Watson Company, Erie, Pa. Building, roofing and insulating papers; asbestos materials, pipe coverings and cements. Cable address, "Watson," Erie. Code, Lieber's.

Watson Machine Company, Paterson, N. J. Cordage, rope and binder twine machinery. Cable address, "Watson," Paterson. Codes, A B C, Western Union and Lieber's.

Watson Shoe Company, Lynn, Mass. Women's fine shoes, welts and McKays. Export agents: Henry W. Peabody & Co., New York (for Italy).

The Watson-Stillman Company, 46 Dey street, New York. Chicago office, 453 The Rookery. Agencies in Boston, Buffalo, Pittsburg and San Francisco. Works at Aldene, Union Co., N. J. Hydraulic jacks, punches, shears, riveters, presses, pumps, accumulators, rail and shaft benders, valves and fittings, miscellaneous hydraulic special machinery. Cable address, "Hydjack," New York. Codes, A B C Fourth and Fifth editions, Lieber's, Western Union and private.

The Watt Mining Car Wheel Company, Barnesville, Ohio. Mine cars, ore cars, car irons, car wheels and axles. Cable address, "Watt," Barnesville, Ohio. Codes, A B C and Lieber's.

Wayne Knitting Mills, Fort Wayne, Ind. Hosiery.

Weaver Organ and Piano Company, York, Pa. Reed organs for parlor, church, chapel and lodge room use; also Upright pianos of the highest artistic grade. Cable address, "Weaver," York, Pa. Code, Western Union.

Webster Company, North Attleboro, Mass. New York office, 9-13 Gill building, 9 Maiden Lane. Sterling silver novelties—toilet goods, salt and pepper bottles, servetts, cloth and hat brushes, writing sets, shaving sets, silver cups, fruit trays, ash trays, dishes, etc.

F. S. Webster Company, 332 Congress street, Boston, Mass.; 10 Park place, New York; 139 Madison street, Chicago; 908 Walnut street, Philadelphia; 432 Diamond street, Pittsburg. Typewriter and office supplies: Star and "O. K." brand typewriter ribbons; typewriter, pen and pencil carbon papers; pencil sharpeners. Jobbers of typewriter paper and typewriting machines. Foreign agents: Walter Johnson & Co., London; Henry Newald, Equitable building, Berlin; Georges Lasvignes, 45 Rue Richer, Paris; Bernhard Hauslich, Adlergasse 16, Vienna; Wollak & Co., Budapest; Anton Waltisbuhl, Zurich; Ceribelli & Co., Milan; T. I. Hagen, Grand Loubianka No. 3, Moscow. Cable address, "Nonfilling," Boston. Codes, A B C Fourth edition and Western Union.

Webster Manufacturing Company, Station "B," Superior, Wis. Branch at Minneapolis, Minn. Chairs.

Webster & Co., 55 High street, Boston, Mass. Leather: japanned leather, bark tanned and chrome upper leather, rough and curried split leather, innersoling splits. Cable address, "Webster," Boston.

Warren Webster & Co., Camden, N. J. New York office, 17 State street. Webster "Star-Vacuum" feed-water heaters, purifiers and filters, for the effective utilization of exhaust steam; Webster system specialties (such as thermostatic and motor valves, etc.), for use in connection with the Webster system of low pressure steam circulation for heating purposes (patented); Webster separators for steam and oil. For-

eign agents: James Simpson & Co., Ltd., London (for heaters and separators); Atmospheric Steam Heating Co., London (licensees for Webster system). Cable address, "Delphic," Camden. Code, Lieber's.

The Wehrle Company, Newark, Ohio. Stoves and ranges.

Henry Weinhagen, 22 North William street, New York. Hydrometers of glass, copper or silver; thermometers for laboratory or factory; clinical or medical thermometers a specialty; hypodermic syringes and needles. Foreign agents: L. Bruck, Sydney; Gilmour Bros. & Co., Montreal. Cable address, "Clasico," New York. Code, Western Union.

Weir & Craig Manufacturing Company, 2439 Wallace street, Chicago, Ill. Packing house and ice house machinery, steam pumps, air compressors, plumbers' brass work. Jobbers of plumbers' and steamfitters' supplies. Code, A B C.

The Weis Manufacturing Company, Lagrange and Ontario streets, Toledo, Ohio. Clips; carbon paper; paste-brush tubes; card indexes; letter files, vertical and common; swinging attachable desk stands, swinging telephone brackets; scrap books; invoice books; photo mailing envelopes; nail clippers; ledger account files; clipping files; loose sheet holders; magazine binders. Cable address, "Weis," Toledo, Ohio.

The Weis & Lesh Manufacturing Company. General office at Muncie, Ind. Works at Memphis and Jackson, Tenn.; Corinth and Grenada, Miss. Butchers' meat skewers; oak and hickory spokes. Cable address, "Skewers," Muncie. Code, A B C.

Emil Weissbrod & Sons, Greenfield, Mass. Manufacturers of bill books, pocketbooks and card cases of all kinds; fancy leather goods and leather novelties for advertisers. Cable address, "Weissbrod," Greenfield, Mass. Code, Western Union.

The Welch Folding Bed Company, Grand Rapids, Mich. Factory at Sparta, Mich. Folding beds.

The Welch Grape Juice Company, Westfield, N. Y. New York office, 76 Park place. Grape juice (unfermented) and grape jelly. Cable address, "Welchgrape," Westfield. Codes, A B C and Western Union.

Welch & Landregan, Lynn, Mass. Women's, misses', children's, infants' and little gents' boots and shoes, McKay and Goodyear welt.

Wells Bros. Company, Greenfield, Mass. New York office, 56 Reade street. Screw cutting tools and machinery; screw plates, taps and cutting dies; bolt cutters and nut tappers; pipe (screw cutting) plates. Cable addresses: "Wells," Greenfield, Mass. (Lieber's code); "Wellsnow," Greenfield, Mass. (Atlantic Directory code).

Welsbach Company, Gloucester, N. J. Works at Gloucester and Chicago. "Welsbach" incandescent mantles and burners. Jobbers of sundry gas fixtures, lamp glassware and general line of incandescent gas lighting and gas consuming devices. Cable address, "Welsbach," Philadelphia. Codes, A B C, Lieber's and Western Union.

Wendell & MacDuffie, 26 Cortlandt street, New York. Jobbers of steam and electric railway supplies. Foreign agents: Victor Dourin, 28 Rue de la Montagne, Brussels; L'Industrie Internationale, 20 rue St. Georges, Paris. Cable address, "Wenmac," New York. Codes, Lieber's, Premier and Western Union.

The S. S. Wenzell Machine Company, 439 North Twelfth street, Philadelphia, Pa. "Eick" bottle washing machines, "Eick" bristle and rubber brushes and supplies for repairing machines; the Pabst Patent Device for drawing clear liquid from the bottom of fermenting and settling tanks. Foreign agents: Sterax Co., Ltd., London; Sarabhai Mug-

ganbhai Huthusing, Ahmedabad, India; A. Binet, 6 Rue de Jarente, Paris. Cable addresses: "Wenzell," Philadelphia (Lieber's); "Wenzax," Philadelphia (Western Union).

The M. Werk Company, 411 Poplar street, Cincinnati, Ohio. Candles, candle stearine, laundry soaps, soap powder, refined glycerine.

The Werner Company, Akron, Ohio. New York office, 1 Madison avenue. Manufacturers of books.

Werner & Pfleiderer, 1204 North Niagara street, Saginaw (West side), Mich. Eastern office, 919 Drexel building, Philadelphia. "Universal" kneading and mixing machines for the food, chemical and allied industries; patent steam-pipe draw-plate ovens; patent steam-pipe peel ovens; combination steam-pipe draw-plate and peel ovens; loaf dough dividers; macaroni and vermicelli machinery; dough brakes, moulders and trucks; blenders, sifters, water tempering and measuring tanks, etc. Foreign houses: Werner & Pfleiderer, Berlin, Cologne, Cannstatt (Germany), Moscow, Vienna and Paris; Werner, Pfleiderer & Perkins, Ltd., London. Foreign agent: Th. Speckbötel, Civil Ingenieur, Ferdinandstrasse 36, Hamburg. Cable address, "Kneadingly," Saginaw. Code, A B C Fourth and Fifth editions.

F. M. West Box Company, Springfield, Mass. Wooden packing boxes, nailed and shook; plain and varnished boxes from pine, basswood, whitewood, oak, mahogany, etc.

West Park Shoddy Mill, West Park, N. Y. Shoddy for upholstering.

West Publishing Company, 48 West Third street, St. Paul, Minn. New York office, 87 Nassau street. Law books. Cable address, "Westpub," St. Paul.

West Virginia Pulp and Paper Company, 309 Broadway, New York. Duncan mills at Mechanicsville, N. Y. Other mills at Tyrone, Pa., Piedmont and Davis, W. Va., Covington, Va., and Luke, Md. Bleached spruce sulphite pulp, bleached soda poplar pulp; book, lithograph and writing papers. Export agents: Parsons Bros., New York. Foreign agents: Silvio Verona, Milan; Henderson, Craig & Co., London. Cable address, "Pulpmont," New York. Codes, A 1 and A B C.

Westcott Carriage Company, Richmond, Ind. Pleasure vehicles of fine grade, cabriolets, surreys. phaetons, stanhopes, road wagons, piano box buggies; and under the name of the Richmond Vehicle Company, in a separate factory, a line of vehicles of medium grade.

Westerman & Co., Lockport, N. Y. Set screw iron, high grade, in rounds, squares and hexagons, all sizes commonly used; also flats and large rounds.

Western Cement Company, 247 West Main street, Louisville, Ky. Louisville hydraulic cement.

The Western Chemical Manufacturing Company, Denver, Col. Sulphuric, muriatic and nitric acids; blue vitriol, copperas, sulphate of soda, chemically pure acids and ammonia, bi-sulphite of lime. Cable address, "Westchemco," Denver. Code, Atlantic Directory.

Western Cottage Piano and Organ Company, Ottawa, Ill. Pianos and organs.

Western Gas Construction Company, Fort Wayne, Ind. Branch offices: 2015 Park Row building, New York, and 137 Montgomery street, San Francisco. Complete equipment of machinery and apparatus for gas works, Pelouze and Audouin tar extractors, ammonia washers, rotary scrubbers, condensers, purifiers, gas valves and fittings, water gas apparatus, coal gas benches, governors, gas holders, tanks, iron roofs and floors. Jobbers of gas exhausters, boilers, engines, blowers,

pumps and station meters. Foreign agents: W. C. Holmes & Co., Huddersfield, England; Franz Manoschek, Vienna. Cable address, "Westergas," Fort Wayne. Codes, Western Union and Lieber's.

The Western Shade Cloth Company, Twenty-first and Jefferson streets, Chicago, Ill. Window shades and shade cloth.

Western Sugar Refining Company, 327 Market street, San Francisco, Cal. Refined sugar. Cable address, "Western," San Francisco. Code, Western Union 1899 edition.

Western Wheeled Scraper Company, Aurora, Ill. Wheeled and drag scrapers, grading plows, dump carts; dump, flat and spreader cars; rock crushers, road and elevating graders, wagon-loaders, ditchers, dump wagons. Cable address, "Western," Aurora, Ill. Codes, A B C Fourth edition and A 1.

The Westinghouse Air Brake Company, Pittsburg, Pa. New York office, Havemeyer building. Air brakes for all classes of service; electro-magnetic brakes for electric cars; steam and motor-driven air compressors; friction draft gear. Cable address, "Westinghouse," Pittsburg. Codes, A B C, Directory, Lieber's and private.

Westinghouse Electric and Manufacturing Company, Pittsburg, Pa. New York office, 120 Broadway. Works at East Pittsburg, Pa., Cleveland, Ohio, Newark, N. J., and New York City. Electric generators and motors, rotary converters, transformers, apparatus for multiple control of electric trains, switchboards, arc and incandescent lamps and subsidiary apparatus. Foreign agents: Westinghouse Electric and Manufacturing Company, Havana; Canadian Westinghouse Co., Ltd., Hamilton, Ontario; G. & O. Braniff & Co., Mexico City; Agar, Cross & Co., Buenos Aires; J. K. Robinson, Iquique; Lidgerwood Manufacturing Company, Ltd., São Paulo, Brazil; Takata & Co., Tokio; The British Westinghouse Electric and Manufacturing Company, Ltd., London; Société Anonyme Westinghouse, Havre and Paris; Westinghouse Electricitäts-Actiengesellschaft, Berlin; The Westinghouse Co., Ltd., St. Petersburg. Cable address, "Converter," Pittsburg and New York. Codes, A 1, A B C, Lieber's and private.

The Westinghouse Machine Company, East Pittsburg, Pa. New York office, 10 Bridge street. Works at East Pittsburg, Pa., and Cragin, Ill. "Westinghouse" steam engines, gas engines and steam turbines; mechanical stokers. Foreign agents: The British Westinghouse Electric and Mfg. Co., Ltd., London; Société Anonyme Westinghouse, Havre, Paris and St. Petersburg; Graham Bros., Stockholm; Agar, Cross & Co., New York and Buenos Aires; J. K. Robinson, Iquique; C. C. George & Co., Johannesburg; Noyes Bros., Sydney and Melbourne; Takata & Co., New York and Tokio. Cable address, "Westing," Pittsburg. Code, private.

Westmoreland Coal Company, 224 South Third street, Philadelphia, Pa. New York office, 1 Broadway. Miners and sellers of gas coal. Foreign agents: Hugo Pizzotti & Co., Turin. Cable address, "Westmoland," Philadelphia. Codes, A B C Fifth edition, Lieber's, Scott's, Watkins' and Western Union.

Weston Electrical Instrument Company, Waverly Park, Newark, N. J. New York office, 74 Cortlandt street. High grade electrical instruments: voltmeters, ammeters, wattmeters, etc. Foreign agents: European Weston Electrical Instrument Company, Berlin; Elliott Brothers, Lewisham, London; Bagnall & Hilles, Yokohama; E. H. Cadiot, 12 Rue St. Georges, Paris. Cable address, "Weslec," Newark. Codes, A B C and Lieber's.

H. Wetter Manufacturing Company, Memphis, Tenn. Works at South Pittsburg, Tenn. Stoves, ranges and cast iron soil pipe. Cable address, "Wetter," Memphis.

Weyerhaeuser Timber Company, Tacoma, Wash. Mills at Everett, Wash. Lumber: fir, spruce and cedar. Cable address, "Weytimco," Seattle. Codes, Atlantic Directory and Western Union.

The Wheeler Osgood Company, Tacoma, Wash. New York office, 66 Broad street. Cedar and fir doors, sash, blinds, columns, mouldings, window frames, door frames, lumber. Cable address, "Wheelgood," Tacoma. All standard codes.

Wheeler & Dusenbury, Endeavor, Pa.; also Newtown Mills, Pa. White pine, oak, hemlock and chestnut lumber; white pine timber up to 72 ft. in length; white pine dock and bridge timber and spars, lath and shingles.

Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. New York office, 833 Broadway. Sewing machines and parts. Foreign agents: D. P. Bianchi, Via Dante, Milan; Dossabhoy, Merwanjee & Co., Bombay; Ferguson & McRae, Belfast; Louis Reinelt, 62 rue de la Madeleine, Brussels; Leocadio Ma. Arango & Hijos, Medellin, Colombia; Gavin Gibson & Co., Melbourne and Sydney; Hurlburt & Mills, Toronto; William York, Montreal; C. Robitaille, St. Roch, Quebec; G. Saltzmann, 105 Boulevard Sébastopol, Paris; Carl Beitzel, 29 Adelgade, and branches, Copenhagen; The J. Block Co., Moscow. Cable address, "Wheelwheel," Bridgeport. Code, A B C.

Wheeling Mold and Foundry Company, Wheeling, W. Va. Glass machinery and molds, rolling mill machinery of all kinds, chilled and sand rolls, ingot molds. Foreign agents: J. J. MacIntire & Son, London; Glasmachinen-Syndikat, Berlin. Cable address, "Bluhub," Wheeling. Codes, Western Union, Lieber's and A B C.

The Wheeling Potteries Company, Wheeling, W. Va. Utilitarian, Sanitary and Art Pottery.

Wheeling Stamping Company, Wheeling, W. Va. Tubular lanterns, lamp burners, screw tops and sheet metal specialties.

Wheeling Steel and Iron Company, Wheeling, W. Va. Bessemer steel slabs and billets; steel and iron pipe, skelp and sheets; steel cut nails.

Wheland Machine Works, Chattanooga, Tenn. Stationary steam engines, circular saw mills and all kinds of saw mill machinery; pulleys, hangers, couplings, journal boxes, set collars, etc.; circular saw mandrels. Jobbers of shafting, belting, lumbering tools, steam fittings, stationary and portable boilers.

Whitall-Tatum Company, 46 Barclay street, New York. Works at Millville, N. J. Branches at 410 Race street, Philadelphia; 196 East Randolph street, Chicago; 41 Broad street, Boston; 45 Stevenson street, San Francisco. Glass bottles and other glassware and druggists' sundries. Foreign branch in Sydney. Foreign agents in Buenos Aires and Rio de Janeiro. Cable address, "Tatum," New York. Codes, A B C Fourth edition, Atlantic Directory and Western Union.

George D. Whitcomb Company, 86 East Ohio street, Chicago, Ill. Mining machinery, mining machinery supplies, automatic water traps, rock coal drills, air receivers, heaters, steam separators and Norwalk air compressors. Cable address, "Whitcomb," Chicago. Code, Western Union.

The L. & I. J. White Company, Perry and Columbia streets, Buffalo, N. Y. New York office, 43-45 Centre street. Machine knives and edge tools: planing, moulding, veneer, stave, shingle, hoop, paper trim-

ming, leather splitting and tobacco knives; carpenters', ship, coopers', butchers' and ice tools, etc. Foreign agents: Ernst Straub, Constanz, Baden, Germany; Peralta & Co., Buenos Aires. Cable address, "Whiteco," Buffalo. Code, Western Union.

The S. S. White Dental Manufacturing Company, Twelfth and Chestnut streets, Philadelphia, Pa. New York office, 5 Union Square, West. Branches in Boston, Chicago, Brooklyn, Atlanta, Rochester and New Orleans. Dental supplies of every description, porcelain teeth, dental chairs, engines, spittoons; instruments and appliances; gold foils and plates, filling materials, amalgams, cements, rubbers, etc. Foreign branches in Berlin, Buenos Aires, St. Petersburg and Toronto. Cable address, "White," Philadelphia. Codes, A B C, Western Union and private.

The White Mountain Freezer Company, Nashua, N. H. "White Mountain," "Arctic," toy and power ice cream freezers. Export agents: Guiterman, Rosenfeld & Co., New York. Foreign agents: S. Guiterman & Co., Ltd., London; Guiterman, Pétard & Co., Ltd., Paris; Guiterman, Rosenfeld & Co., Hamburg; John & Joseph Drysdale & Co., Buenos Aires. Cable address, "Niatnuom," Nashua. Codes, Western Union and private.

White River Lumber Company, Mason, Wis. Lumber, lath and shingles.

White Sewing Machine Company, 300 Rose building, Cleveland, Ohio. New York office, 22 Union Square. Sewing machines and steam automobiles. Foreign agents: Bonnet & Morel, Paris; J. Silberberg & Co., Hamburg; J. C. Strittmatter, City of Mexico. Cable address, "Clearness," Cleveland. Codes, A B C and Western Union.

White Star Laundry Company, 330 Market street, San Francisco, Cal.

The Whitehall Portland Cement Company, 1722 Land Title building, Philadelphia, Pa. Works at Cementon, Pa. Whitehall Portland cement. Cable address, "Whitehall," Philadelphia. Code, A B C Fourth edition.

The Whitin Machine Works, Whitinsville, Mass. Cards, railway heads, combing machinery, drawing and spinning machinery, spoolers, reels, twisters, long chain quillers and looms. Cable address, "Whitin," Whitinsville. Code, Western Union.

Paul Whitin Manufacturing Company, Northbridge, Mass. Cambrics, lawns and sateens, jacquards, dobbies, lappets and fancy yarns.

George A. Whiting, Menasha, Wis. Machine finished and supercalendered book paper, E. S. colored laid writing paper, French paper.

Whiting Foundry Equipment Company, Harvey, Ill. Engineers, designers and manufacturers: cranes, electric travelers, gantries, air hoists, cupolas and foundry machinery; foundry plants for manufacture of car wheels, cast iron pipes, malleable iron, grey iron and steel castings; gasoline automobile trucks; steel freight cars. Foreign agents: J. W. Jackman & Co., London; R. d'Aulignac, Barcelona. Cable address, "Equipment," Harvey. Codes, A B C and Directory.

The Whiting Manufacturing Company, Broadway and Eighteenth street, New York. A complete line of silverware, hollow ware and flat ware; fancy silverware and novelties. Cable address, "Artsilver," New York. Code, Western Union.

John L. Whiting & Son Company, 690 to 710 Harrison avenue, Boston, Mass. Brushes of all kinds. Cable address, "Brushes," Boston. Codes, A B C and Western Union.

The Whitlock Coil Pipe Company, Hartford, Conn. New York office, 85 Liberty street. Copper coil feed water heaters, hot water heaters, American steam separators and exhaust heads; iron, copper and brass coils of every description for heating and cooling; big bends, iron and brass, 4 to 30-inch diameter; automobile parts, disk radiators and cellular coolers. Cable address, "Whitlock," Hartford. Codes, Lieber's, A 1 and Directory.

The Whitney Manufacturing Company, Hartford, Conn. Hand and Weight (feed) Milling Machines; 20-inch Water Tool grinders; Keys and Cutters for the Woodruff Patent System of Keying; Vertical Automatic Drilling Machines for long holes; "Presto" Drill Chucks, Collets and Friction Tapping Devices; Driving Chains for automobiles, bicycles and machinery. Foreign agents: C. W. Burton, Griffiths & Co., London, for Great Britain; Fenwick Frères & Cie, Paris, for France, Belgium, Italy, Switzerland, Spain and Portugal; Schuchardt & Schütte, Berlin, for Germany, Austria, Holland, Russia and Scandinavia; Alfred H. Schütte, Cologne, Brussels, Liège, Milan and Bilbao. Cable address, "Whitney," Hartford. Codes, Lieber's, A B C and Western Union.

Whitney & Sloo Company, Ltd., 112 North Peters street, New Orleans, La. Saddlery, harness and collars. Jobbers of leather, saddlery hardware, blankets, robes, whips, hames, trace chains and collar pads. Cable address, "Sloowhit," New Orleans. Code, Western Union.

F. H. Whittelsey, Windsor Locks, Conn. Railroad copying, fine cylinder and fourdrinier tissues; manifold, manifest and letter press copying books; train orders; high-grade oiled board, oiled tissues, toilet paper, envelopes.

Whittemore Brothers & Co., 20 Albany street, Cambridge, Mass. High grade shoe polishes for ladies' and gentlemen's black and colored shoes.

The Wiard Plow Company, Batavia, N. Y. Wiard patent chilled and steel flat-land and reversible plows; patent Emperor sulky rakes, Morgan patent spading harrows, Star disk harrows, universal bean harvesters, improved patent adjustable weeders, automatic hand corn and bean planters. Cable address, "Wiard," Batavia. Code, A B C Fourth edition.

Wickes Brothers, Saginaw, Mich. New York office, 113 Cedar street. Other branches at Pittsburg, Boston, Chicago and Jersey City. Vertical water tube boilers, heaters, saw mill machinery, engines, etc.; boiler makers' tools, such as bending rolls, punches, etc. Jobbers of fittings, pipe, shafting, belting, pumps, mill supplies, and certain makes of boilers, engines and saw mill machinery. Cable address, "Fulgoris," Saginaw. Codes, A B C, Western Union and Lieber's.

C. D. Widman & Co., 443 Trombly avenue, Detroit, Mich. Hall stands, racks and seats; hanging racks, mirrors and framed mirrors. Cable address, "Widar," Detroit. Code, Western Union.

Wiebusch & Hilger, Ltd., 9 Murray street, New York. Manufacturers and distributing agents of hardware and cutlery: Seymour's shears and scissors; toilet clippers, hand and power horse clippers; hammers and hatchets, hay knives and grass hooks, scythes; masons' brick and plastering trowels; horseshoe nails; pocket knives, razors, pruning shears, farriers' knives, butchers' steels; steel letters and figures, chains. Cable address, "Fortuna," New York. Codes, A B C Fourth edition and Staudt-Hundius.

H. B. Wiggin's Sons Company, Bloomfield, N. J. Woven wall coverings: Lining-Ko-Na, Lining Burlaps, Dyed Tapestry Burlaps, Shel-

Ko-Na, Prepared Burlaps, Prepared Canvas, Buckrams, Lustra-Ko-Nas, Metallic Effects, Prints, Borders and Friezes, Krash-Ko-Na, Krashes, Hessians. Selling agents: J. Spencer Turner Co., 86 Worth street, New York; Chicago, St. Louis and 13 Jewin Crescent, London.

H. O. Wilbur & Sons, 235 North Third street, Philadelphia, Pa. New York office, 6 Harrison street. Cocoa and chocolate preparations: powdered unsweetened cocoa of various grades, for the grocery, confectionery and drug trades; sweetened and unsweetened chocolate for grocers and confectioners. Foreign agents: Gollin & Co., Wellington, New Zealand; Dooley, Smith & Co., San Juan, Ponce and Mayaguez, Porto Rico; W. B. Fair, Havana. Cable address, "Wildup," Philadelphia. Codes, A B C Fourth edition and Lieber's.

The T. Wilce Company, Twenty-second and Throop streets, Chicago, Ill. Hardwood flooring.

John F. Wilcox, 1030 Marshall street, N. E., Minneapolis, Minn. Mouldings, open sash, K. D. sash and frames, window and door screens, scroll and turning work.

Wilcox, Crittenden & Co., Middletown, Conn. Ship chandlery, marine and awning hardware: kedge and patented folding anchors, turnbuckles, bushings, shackles, rowlocks, awning pulleys, ring and eye bolts, jib snap hooks, brass yacht blocks, launch steering wheels, etc. Cable address, "Pameacha," Middletown. Code, Directory.

Wilcox Manufacturing Company, Aurora, Ill. Door hangers and hardware specialties, loose and mounted grindstones, wire stretchers, rolling step ladders, automatic fire door fixtures. Foreign agents: Markt & Co., Ltd., London, Hamburg and Paris.

The Will & Baumer Company, Syracuse, N. Y. New York office, 18 Murray street. Chicago office, 199 East Madison street. Candles, stearic acid, stearine, red oil, glycerine. Jobbers of rapeseed oil, cottonseed oil, paraffine wax and beeswax. Mexico branch, 2a Ribera de San Cosme 27½. Cable address, "Wilbaum," Syracuse. Codes, A B C Fifth edition and Western Union.

Willamette Iron and Steel Works, Portland, Oregon. Logging and hoisting machinery, marine and steamboat engines and boilers, power transmission machinery, dredging machinery. Cable address, "Corball," Portland. Code, Western Union.

Willcox & Gibbs Sewing Machine Company, 658 Broadway, New York. Works at Providence, R. I. Sewing machines for all kinds of manufacturing and for family use—lockstitch high speed machines. "Overlock" machines, straw hat machines and automatic chain stitch machines. Branch offices in London, Paris, Nottingham, Glasgow, Dresden, Milan, Manchester and Belfast. Cable address, "Wilgib," New York. Code, Anglo-American.

C. L. Willey, 1225 South Roby street, Chicago, Ill. Mahogany hardwood lumber and veneer. Cable address, "Willey." Chicago. Codes, A B C and Western Union.

Jno. Williams, 556 West Twenty-seventh street, New York. Bronze and iron work to special design, such as grilles, doors, railings, tablets, domes, columns, gates, fences, statues, etc.

The Williams Brothers Company, Grand River and Humboldt avenues, Detroit, Mich. New York office, 107 Hudson street. Pickles, preserves, vinegar, tomato catsup and Chili sauce. Cable address, "Wilco," Detroit. Code, United States.

H. D. Williams Cooperage Company, Poplar Bluff, Mo. New York office, 184 Front street. Kegs, barrels and casks, in either made up or

shook form; all shapes and classes, suitable for the requirements of various countries, such as bordelaises, berliners, catalans, rums, quarter casks, half rums, aukers, "special wines;" specialty of special shapes. Foreign agent: T. R. Hasam, City of Mexico. Cable address, "Engeldon," New York. Code, A B C.

John Williams Manufacturing Company, Twelfth and Carpenter streets, Philadelphia, Pa. Cassimeres, flannels, dress goods. Cable address, "Geojno," Philadelphia.

Milton F. Williams Manufacturing Company, 2705 North Broadway, St. Louis, Mo. Crushers and pulverizers for brick makers, clay workers, tanners, fertilizer manufacturers, coke makers, cement makers, oil cake grinders, linoleum makers, plaster makers, chemical manufacturers, etc.; granulators. Foreign agents: Maxteod, Knott & Coles, Hull; Jens Thorne, Christiania; Walter Stone, Yokohama; R. A. Hervey, Sydney. Cable address, "Crusher," St. Louis. Code, private.

I. B. Williams & Sons, Dover, N. H. Leather belting, rawhide lace leather, tanned lace leather, round leather belting and welting. Cable address, "Williams," Dover, N. H. Code, Western Union.

Williams, Clark & Co., Lynn, Mass. New York office, 35 West Twenty-first street. Ladies' fine shoes.

Williams, White & Co., Moline, Ill. Bulldozers, eye bolt machines, riveters, taper rolling machines, justice hammers, drop hammers, punches and shears, tire welding hammers, upsetters, hydraulic presses. Foreign agents: Fenwick Frères & Cie, Paris. Cable address, "Bulldozer," Moline. Codes, Lieber's, Western Union and A B C.

A. & S. Wilson Company, 541-551 Third avenue, Pittsburg, Pa. Contractors and builders: interior wood work, bank and office fixtures, hard wood finish and mill work.

Jas. G. Wilson Manufacturing Company, 3 West Twenty-ninth street, New York. Works at South Norfolk, Va. Rolling steel doors and shutters, rolling partitions in wood and steel, hygienic wardrobes, interior wood work, cabinet work, flooring, Venetian awnings, Venetian blinds. Cable address, "Lydian," New York.

Wilson, Snyder Manufacturing Company, Rose and Water streets, Pittsburg, Pa. Pumping machinery of all kinds. Cable address, "Fortpitt," Pittsburg. Code, Western Union.

J. H. Winchell & Co., Incorporated, Haverhill, Mass. Men's McKay and Goodyear welt shoes.

L. J. Wing Manufacturing Company, 251 West Broadway, New York. Works at South Norwalk, Conn. Wing's disk fans, blowers, exhausters, heaters, high speed steam engines, gas engines, electric motors, speed reducing mechanism, acetylene gas generators, pressure reducing valves for gas or air, etc. Jobbers of dynamos, boilers, steam engines, acetylene gas burners, fixtures and stoves. Light towns, factories, schools, churches, etc. Cable address, "Discfan," New York. Code, Lieber's.

The Winkle Terra Cotta Company, 502 Century building, St. Louis, Mo. Architectural terra cotta. Cable address, "Terracott," St. Louis. Code, Western Union.

Winona Wagon Company, Winona, Minn. Farm wagons, trollies, delivery vans, Scotch carts, Ralli carts. Cable address, "Winwagon," Winona. Code, Western Union.

M. Winter Lumber Company, Sheboygan, Wis. High grade commercial furniture; bank, store and office furniture.

A. H. Wirz, 917 Cherry street, Philadelphia, Pa. New York representative, Frank P. Wisner, 26 Cliff street. White metal goods; specialties: bottle stoppers, collapsible tubes and metal syringes.

Wisconsin Bridge and Iron Company, Pabst building, Milwaukee, Wis. Works at North Milwaukee, Wis. Bridges and structural steel.

Wisconsin Tissue Paper Company, Appleton, Wis. Tissue paper: white and colored tissues, fruit wrappers, cotton batten wrappers, etc.

J. B. Wise, Watertown, N. Y. New York office, 15 Park Row. Manufacturer of plumbers' lavatory fittings, consisting of flush and supply pipes, basin and bath supplies, lavatory legs, traps, connected waste and overflows, standing, basin and bath wastes, brackets, soap cups, 2-inch elbows and offsets for low down tanks; laundry tub parts; closet seat hinges; sewing machine, organ and piano hardware; photographers' dark room lamps and trays, and other hardware specialties.

J. Wiss & Sons Co., 15 Littleton avenue, Newark, N. J. Shears and scissors, cutlery, tinners' snips, pruning shears, tailors' shears, barbers' shears. Foreign agents: John H. Graham & Co., London.

O. Wissner, manufacturer of pianos, Fulton street and Flatbush avenue, Brooklyn, N. Y. New York office, 25 East Fourteenth street.

David Woerner Cooperage Company, Fourteenth and Harrison streets, San Francisco, Cal. Beer, wine and liquor barrels; wine and beer casks; tanks, etc.

Wolf Bros. & Co., 412-418 West Seventh street, Cincinnati, Ohio. New York office, 3 Alexander building. Ladies' shoes and slippers; specialties: "The American Girl" and the "Mary Stuart." Cable address, "Wolfbrosco," Cincinnati. Code, Western Union.

The Wolf Company, Chambersburg, Pa. Flour mill machinery, elevating and conveying machinery: corn, wheat, rye and other cereal grinding, bolting and purifying machinery; grain cleaning machinery; turbine water wheels, shafting, pulleys, gearing, hangers and power transmission appliances. Foreign agent: C. N. McFarland, Mexico City. Cable address, "Gyrator," Chambersburg.

Harris Wolff, 92 Centre street, New York. Bookbinder: binds books of all kinds in cloth and leather, including copyright novels, school text books and standard and general literature; also catalogues in both cloth and leather.

L. Wolff Manufacturing Company, Chicago, Ill. Plumbing material: plumbers' brass goods, enameled and solid porcelain bath tubs, lavatories, water closets; soil pipe and fittings, sinks, marble work, range boilers, etc.

C. F. Wolff & Son, 150 East Ohio street, Chicago, Ill. Paper boxes.

Wollensak Optical Company, 280 Central avenue, Rochester, N. Y. Export agents: W. E. Peck & Co., 116 Broad street, New York. Photographic lenses and shutters, special optical work to order. Foreign agents: Wm. E. Peck & Co., London and Paris; Jos. Susskind, 16 Grosse Bleichen, Hamburg. Cable address, "Wollensak," Rochester, N. Y.

Alan Wood Iron and Steel Company, 519 Arch street, Philadelphia, Pa. Works at Conshohocken and Ivy Rock, Pa. Open hearth steel billets, slabs, blooms, sheet bars, universal mill plates, light plates and sheets of iron and steel. Specialties: locomotive jacket, blue annealed, bath boiler, Swede and Norway sheets; gas holder, rolled steel floor plates, ribbed and Diamond pattern; corrugated, best bloom, M. F. and A. W. clean, cold rolled sheets; pickled and cold rolled sheets; electrical iron and steel, best last, water pipe and light plates. Cable address, "Alanwood," Philadelphia. Code, A B C.

Wood Products Company, Fourth and Penn streets, Buffalo, N. Y. Pure methyl alcohol and all grades of refined wood alcohol. Cable address, "Manhattan," Buffalo. Code, A B C.

T. B. Wood's Sons, Chambersburg, Pa. Power transmitting machinery, pulleys, hangers, post hangers, pillow blocks, bracket hangers, couplings, collars, rope sheaves and tension carriages. Cable address, "Woodsons," Chambersburg. Codes, Directory and Western Union.

J. Wood & Brothers Company, Conshohocken, Pa. New York office: A. C. Jessup, 120 Liberty street. Sheet iron and steel: locomotive jacket, corrugated bath boiler, gas holder, best bloom, pickled, blue annealed and tank. "Hope," "Anchor" and "R. G." brands of clean light sheets. Also sheets of iron and steel for electrical purposes and powder keg material.

R. D. Wood & Co., 400 Chestnut street, Philadelphia, Pa. Works at Camden, Florence and Millville, N. J. Hydraulic accumulators, gas producers, gas holders and gas apparatus—purifiers, condensers and scrubbers; gas engine power plants; iron castings, fire hydrants, high pressure hydraulic valves; hydraulic cranes; gas valves, wheel presses, hydraulic elevators, hydraulic presses and tools, hydraulic punches and shears, pumping engines, centrifugal high-lift turbine and irrigation pumps; water gas plants; hydraulic turbines; riveted steel pipe. Foreign agents: H. R. Merton & Co., London. Cable address, "Tuckahoe," Philadelphia. Codes, A B C Fourth edition, Lieber's, Premier, A 1, Watkins', Atlantic Directory, Manufacturers' Export and Western Union.

William Wood & Co., Twenty-second and Spring Garden streets, Philadelphia, Pa. New York office, 51 Leonard street. Woolen and worsted cloths: suitings, trouserings, serges, cloakings, overcoatings, dress goods.

Woodman-Cook Company, 444 Fore street, Portland, Me. Silver plated hollow ware. Jobbers of silver plated flat ware and silver cream polish. Cable address, "Cooksilver," Portland, Maine. Code, Western Union.

S. A. Woods Machine Company, Dorr street, South Boston, Mass. Woodworking machinery: flooring machines, planing machines, moulding machines, sawing machines, box machines, knife grinders, car-building machinery, hollow chisel mortisers, high speed boring machines. Cable address, "Highwoods," Boston. Codes, A B C Fifth edition, Lieber's, Western Union and Atlantic Directory.

Woodward Iron Company, Woodward, Ala. Foundry and mill grades of pig iron. Foreign agents: Sanders & Co., London. Cable address, "Ironwood," Woodward. Code, A B C Fourth edition.

Woodward Lumber Company, Atlanta, Ga. Sash, doors, blinds, interior finish, hardwood trim, bank fixtures, etc.

Woodward & Powell Planer Company, Worcester, Mass. Metal planing machines. Export agents: Manning, Maxwell & Moore, 85 Liberty street, New York. Foreign agents: DeFries & Co., Düsseldorf; C. W. Burton, Griffiths & Co., London; John Lang & Sons, Johnstone, Scotland. Cable address, "Woodpow," Worcester. Code, Lieber's.

Woodward & Tiernan Printing Company, 309 North Third street, St. Louis, Mo. Printing, publishing and lithographing.

Woronoco Paper Company, Woronoco, Mass. Fine writing paper; bond and linen ledger papers; weddings and pasted bristols. Cable address, "Woronoco." Code, Western Union.

Worthy Paper Company, Mittineague, Mass. Bond, linen and ledger paper; fine, superfine and extra superfine flat writing paper; pasted bristol board, cover paper. Cable address, "Worthy," Mittineague. Code, Western Union.

Wright, Peters & Co., 203 Mill street, Rochester, N. Y. Ladies' boots and shoes; oxfords to retail from $3.00 to $5.00; boots to retail from $3.50 to $7.00 per pair. Foreign agents: J. P. Richardson & Co., Flinders lane, Melbourne. Cable address, "Peteco," Rochester, N. Y. Code, Western Union.

Wright & Taylor, 135 West Main street, Louisville, Ky. Distillery at Chapeze, Ky. Bourbon and rye whiskies: "Old Charter" and "Fine Old Ky. Taylor" brands. Cable address, "Wrightay," Louisville. Code, Western Union.

Wright's Health Underwear Company, 75 Franklin street, New York. Men's, women's and children's knit underwear. Special goods for export. Cable address, "Wrightwear," New York. Codes, Atlantic Directory and Western Union.

Wrightsville Hardware Company, Wrightsville, Pa. Blind, shutter and gate hinges; gate and thumb latches, frame or sash pulleys, sash lifts, sliding door sheaves, chest handles, furniture casters, drawer pulls, shelf brackets, tobacco cutters, improved cold handle and toy sad irons, Troy polishing irons, hat and coat and harness hooks, grindstone fixtures, hay fork pulleys, well wheels, cobblers' outfits; hatchets and hammers, tack claws, can openers, soap dishes, sad iron and coffee pot stands, etc. Export agent: Benjamin S. Alder, 37 Warren street, New York.

John Wyeth & Brother, Inc., 1100 South Eleventh street, Philadelphia, Pa. Pharmaceutical preparations, including elixirs, medicinal wines and syrups, granular effervescing salts, suppositories, soluble elastic gelatine capsules, filled; gelatine coated pills, compressed tablets, tablet triturates, chocolate coated tablets, hypodermic tablets, compressed lozenges, fluid extracts, powdered extracts, solid extracts, resinoids, etc. Distributing stocks at Chicago, Kansas City, New Orleans and San Francisco. Foreign agents: Burroughs, Welcome & Co., London; Lyman Sons & Co., Montreal; Lyman Bros. & Co., Toronto. Cable address, "Wyethbro," Philadelphia. Code, A B C Fourth edition.

Alonzo Wygant, 87 Washington street, Chicago, Ill. Harness and wagons.

The Yale Brewing Company, Incorporated, Ferry and River streets, New Haven, Conn. Ale, porter and lager beer; "Indian Head" ale designed especially for export.

The Yale & Towne Manufacturing Company, 9 Murray street, New York. Works at Stamford, Conn. Yale locks, builders' hardware, art metal work; builders' locks and padlocks; cabinet, trunk, bank and prison locks; post-office lock boxes, door checks (Blount system), triplex and duplex chain blocks, Weston differential pulley blocks. Cable address, "Yale," New York. Codes, A B C, Lieber's, Western Union and Commercial.

Yates & Donelson Company, Cotton Exchange, Memphis, Tenn. Flour, cornmeal, grits, hominy and bran.

Yawman & Erbe Manufacturing Company, Rochester, N. Y. New York office, 360 Broadway. Filing cabinets and office furniture, stationers' office specialties, brewers' and bottlers' machinery, fishing reels. Foreign agents: The Shannon, Limited, London; Victor Holmes, Copenhagen; Alexander Wibel, Stockholm; Benno Knecht, Berlin; D. W. Riley & Co., Manila, P. I. Cable address, "Shannon," Rochester, N. Y.

Yellow Poplar Lumber Company, Coal Grove, Ohio. Poplar lumber. Foreign agents: Budgett Bros., London. Cable address, "Poplar," Coal Grove. Codes, A B C Fifth edition and Lumberman's Telecode.

York Manufacturing Company, York, Pa. Refrigerating machinery, ice making machinery, ammonia fittings and supplies, return tubular boilers, piston valve and Corliss engines, and air compressors. Cable address, "Yorkco," York, Pa. Codes, A B C, Lieber's and Western Union.

York Safe and Lock Company, York, Pa. New York office, 72 Maiden Lane. Fire and burglar-proof safes, bank and safe deposit vaults, safe deposit boxes, etc.; plate iron safes for specie; sectional safes for export. Cable address, "Safelock," York, Pa. Code, Western Union.

York Silk Manufacturing Company, York, Pa. New York salesrooms, 83 Grand street. Works at Carlisle, Fleetwood and York, Pa. Black dress silks, all grades.

The Homer Young Company, Toledo, Ohio. Sewing machines; improved trunks, traveling bags; electric motors for operating sewing machines. Export agents for Australia, New Zealand and Spain: Wm. E. Peck & Co., 116 Broad street, New York.

Richard Young Company, 36 Spruce street, New York. Works at Gloversville and Brooklyn, N. Y. Kangaroo, glazed kid, sheep skins, fancy leather of every description, raw furs and salted skins. Cable address, "Youngdon," New York. Codes, A 1, A B C and Lieber's.

W. D. Young & Co., Bay City, W. S., Mich. Hard maple, beech and birch lumber and maple flooring; also chemicals, wood alcohol, acetate of lime and charcoal. Cable address, "Young," Bay City, Mich. Codes, A B C Fourth edition and Zebra.

The Youngstown Iron Sheet and Tube Company, Youngstown, Ohio. Blast furnace at Sharpsville, Pa. Wrought iron and steel sheets and pipe.

The Youngstown Steel Company, Youngstown, Ohio. Pig iron, washed metal. Foreign agents: Thomas Sorby & Sons, Sheffield. Cable address, "Ford," Youngstown. Code, A 1.

Ypsilanti Underwear Company, Ypsilanti, Mich. Factories at Ypsilanti, Ann Arbor and Detroit, Mich. New York sales agents: Fred. Vietor & Achelis, 66 Leonard street. Full fashioned and cut underwear; union suits, shirts and drawers for ladies and gentlemen, in silk, wool and cotton or mixtures of either. Foreign agent: F. A. Peters, Sydney. Cable address, "Underwear," Ypsilanti. Code, Western Union.

Zanesville Woolen Manufacturing Company, Muskingum avenue, Zanesville, Ohio. Dress goods and woolens.

Ziegel, Eisman & Co., 99 Frelinghuysen avenue, Newark, N. J. Shoe upper leather: genuine glazed chrome kangaroo, mat chrome kangaroo, dull gambier kangaroo. Foreign agents: Hanisch & Sahl, Bermondsey, London. Cable address, "Ziegel," Newark. Codes, A B C, A 1, Lieber's and private.

Zug & Co., Ltd., Thirteenth and Etna streets, Pittsburg, Pa. High grade forging iron, steel and iron sheets, galvanized steel sheets.

The Zwick & Greenwald Wheel Company, corner Huffman and Linden avenues, Dayton, Ohio. Vehicle and wagon wheels.

to manufacturers whose names are given in this book.

To the Readers of the Index

On the back of the colored inquiry forms which are scattered through this volume are provided blank spaces in which those writing to the Association for information for the first time may give some particulars about the character of their business, etc., so that the Association may have definite knowledge of all this for its own use and that of its members, who are continually requesting such particulars.

It is also desired that those who have already furnished the Association with statements about themselves will note on these sheets as they have occasion to use them any changes in their business, such as the addition of new lines of goods, increase or decrease in capital, change in partnership or style of firm, establishment of new branches, etc.

Full particulars of this character being filed with the Foreign Department of the Association help very materially in facilitating business transactions, as the American manufacturer does not have to wait for reports from abroad in order to know who this or that individual or firm may be that is asking for certain classes of merchandise.

It is also requested that those who receive the INDEX should notify the Association whether or not they wish copies of succeeding issues of the book, as it is desired to place it only with those who can and do make constant use of it.

NATIONAL ASSOCIATION OF MANUFACTURERS

NEW YORK CITY

Part II

Alphabetical List of Articles

Produced by Members of the

National Association of Manufacturers

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Morgan Construction Company, Worcester, Mass.
John Robertson & Co., Brooklyn, N. Y.
United Engineering and Foundry Company, Pittsburg, Pa.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Watson-Stillman Company, New York.
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John Simmons Company, New York.
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Aspinwall Manufacturing Company, Jackson, Mich.
The Aultman & Taylor Machinery Company, Mansfield, Ohio.
Bateman Manufacturing Company, Grenloch, N. J.
Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Belle City Manufacturing Company, Racine Junction, Wis.
E. Bement's Sons, Lansing, Mich.
Benicia Iron Works, Benicia, Cal.
Birdsell Manufacturing Company, South Bend, Ind.
Blymyer Iron Works Company, Cincinnati, Ohio.
David Bradley Manufacturing Company, Bradley, Ill.
Brinly-Hardy Company, Louisville, Ky.
Brown Manufacturing Company, Zanesville, Ohio.
A. Buch's Sons Company, Elizabethtown, Pa.
Buffalo Pitts Company, Buffalo, N. Y.
Cardwell Machine Company, Richmond, Va.
J. I. Case Plow Works, Racine, Wis.
J. I. Case Threshing Machine Company, Racine, Wis.
Chattanooga Implement and Manufacturing Co., East Chattanooga, Tenn
Chattanooga Plow Company, Chattanooga, Tenn.
Collins Plow Company, Quincy, Ill.
Deere & Co., Moline, Ill.
Deere & Mansur Company, Moline, Ill.
Deere & Webber Company, Minneapolis, Minn.
H. P. Deuscher Company, Hamilton, Ohio.
Emerson Manufacturing Company, Rockford, Ill.
The Empire Plow Company, Cleveland, Ohio.
A. B. Farquhar & Co., New York.
The S. Freeman & Sons Manufacturing Company, Racine, Wis.
Gaar, Scott & Co., Richmond, Ind.
Gale Manufacturing Co., Albion, Mich.
Geiser Manufacturing Company, Waynesboro, Pa.
Goulds Manufacturing Company, Seneca Falls, N. Y.
Hapgood Plow Company, Alton, Ill.
Hench, Dromgold & Co., York, Pa.
The Hoover-Prout Company, Avery, Ohio.
Huber Manufacturing Company, Marion, Ohio.
Humphrey & Sons, Joliet, Ill.
International Harvester Company of America, Chicago, Ill.
Joliet Manufacturing Company, Joliet, Ill.
Kemp & Burpee Manufacturing Company, Syracuse, N. Y.
Keystone Farm Machine Company, York, Pa.
King & Hamilton Company, Ottawa, Ill.
Long & Allstatter Company, Hamilton, Ohio.
Marseilles Manufacturing Company, Marseilles, Ill.
Moline Plow Company, Moline, Ill.
F. E. Myers & Bro., Ashland, Ohio.
The Newark Machine Company, Newark, N. J.
Nordyke & Marmon Company, Indianapolis, Ind.
The Ohio Cultivator Company, Bellevue, Ohio.
Oliver Chilled Plow Works, South Bend, Ind.
Parsons Band Cutter and Self-Feeder Company, Newton, Iowa.
Port Huron Engine and Thresher Company, Port Huron, Mich.
Frank C. Patten Company, Sycamore, Ill.

17—AGRICULTURAL IMPLEMENTS—Continued.

Racine-Sattley Company, Springfield, Ill.
Reeves & Co., Columbus, Ind.
Rock Island Plow Company, Rock Island, Ill.
Roderick Lean Manufacturing Company, Mansfield, Ohio.
M. Rumely Company, La Porte, Ind.
Sandwich Manufacturing Company, Sandwich, Ill.
D. M. Sechler Carriage Company, Moline, Ill.
Silver Manufacturing Company, Salem, Ohio.
South Bend Chilled Plow Company, South Bend, Ind.
Syracuse Chilled Plow Company, Syracuse, N. Y.
J. Thompson & Sons Manufacturing Company, Beloit, Wis.
Union Iron Works, Decatur, Ill.
Vulcan Plow Company, Evansville, Ind.
Wiard Plow Company, Batavia, N. Y.

18—ALBUMS.

The Carter's Ink Company, Boston, Mass.

19—ALCOHOL.

Freiberg & Workum, Cincinnati, Ohio.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Merchants' Distilling Company, Terre Haute, Ind.

20—ALCOHOL, WOOD.

Berry Brothers, Ltd., Detroit, Mich.
The Cleveland-Cliffs Iron Company, Cleveland, Ohio.
Wood Products Company, Buffalo, N. Y.
W. D. Young & Co., Bay City, W. S., Mich.

21—ALE.

P. Ballantine & Sons, Newark, N. J.
C. H. Evans & Sons, Hudson, N. Y.
Christian Feigenspan, Inc., Newark, N. J.
Indianapolis Brewing Company, Indianapolis, Ind.
C. Schmidt & Sons Brewing Company, Philadelphia, Pa.
Yale Brewing Company, Inc., New Haven, Conn.

22—ALLOYS.

(See Castings, Composition Metal.)

23—ALPACA.

Farr Alpaca Company, Holyoke, Mass.
Hamilton Woolen Company, Boston, Mass.

24—ALUM.

Cochrane Chemical Company, Boston, Mass.
Erie Chemical Works, Erie, Pa.
Franklin H. Kalbfleisch Company, New York.
Charles Lennig & Co., Inc., Philadelphia, Pa.
Merrimac Chemical Company, Boston, Mass.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

25—ALUMINUM ALLOYS.

(See Nickel, Aluminized, also Aluminum-Bronze, also Zinc, Aluminized.)

26—ALUMINUM-BRONZE.

Clum & Atkinson, Rochester, N. Y.

27—ALUMINUM, INGOT AND CAST.

The Allyne Brass Foundry Company, Cleveland, Ohio.
Clayton & Lambert Manufacturing Company, Detroit, Mich.
Clum & Atkinson, Rochester, N. Y.
Johnson Service Company, Milwaukee, Wis.
The Pittsburgh Reduction Company, Pittsburg, Pa.
Sherwood Manufacturing Company, Buffalo, N. Y.
T. Shriver & Co., New York.

28—ALUMINUM ORE.

Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
The Pittsburgh Reduction Company, Pittsburg, Pa.

29—ALUMINUM SHEETS, RODS AND WIRE.

The Pittsburgh Reduction Company, Pittsburg, Pa.

30—ALUMINUM WARE.

The Griswold Manufacturing Company, Erie, Pa.
Hero Fruit Jar Company, Philadelphia, Pa.
The Pittsburgh Reduction Company, Pittsburg, Pa.
William Vogel & Brothers, Brooklyn, N. Y.

31—AMBULANCES.

James Cunningham Son & Co., Rochester, N. Y.
The Northwestern Casket Company, Minneapolis, Minn.
Studebaker Brothers Manufacturing Company, South Bend, Ind.

32—AMMONIA, ANHYDROUS.

Barrett Manufacturing Company, New York.
Franklin H. Kalbfleisch Company, New York.
Larkin & Scheffer Chemical Company, St. Louis, Mo.
The Western Chemical Manufacturing Company, Denver, Col.

33—AMMONIA, AQUA.

Barrett Manufacturing Company, New York.
Cochrane Chemical Company, Boston, Mass.
E. C. Hazard & Co., New York.
Franklin H. Kalbfleisch Company, New York.
Merrimac Chemical Company, Boston, Mass.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

34—AMMUNITION.

California Powder Works, San Francisco, Cal.
Equitable Powder Manufacturing Company, St. Louis, Mo.
M. Hartley Company, New York.
J. Stevens Arms and Tool Company, Chicopee Falls, Mass.

35—AMPERE METERS.

(See Electrical Measuring Instruments.)

36—ANCHORS.

American Ship Windlass Company, Providence, R. I.
Thomas Laughlin Company, Portland, Me.
Wilcox, Crittenden & Co., Middletown, Conn.

37—ANCHORS, GUY ROPE.

Crouse-Hinds Company, Syracuse, N. Y.
Michigan Bolt and Nut Works, Detroit, Mich.

38—ANILINE COLORS AND DYES.

American Dyewood Company, Philadelphia, Pa.
F. E. Atteaux & Co., Boston, Mass.
Barrett Manufacturing Company, New York.
The Bull's Ferry Chemical Company, Shadyside, N. J.
Franklin H. Kalbfleisch Company, New York.
Herman A. Metz, New York.
Schoellkopf, Hartford & Hanna Company, Buffalo, N. Y.

39—ANNUNCIATORS, ELECTRIC.

Holtzer-Cabot Electric Company, Brookline, Mass.
Stanley & Patterson, Inc., New York.

40—ANTISEPTICS.

The G. F. Harvey Company, Saratoga Springs, N. Y.
Johnson & Johnson, New Brunswick, N. J.
Parke, Davis & Co., Detroit, Mich.
The Preservaline Manufacturing Company, New York.
Seabury & Johnson, New York.

41—ANTITOXIN, DIPHTHERIA AND TETANUS.

(See Biologic Products.)

42—ANVILS.

(See also Tools, Blacksmiths'.)

Columbian Hardware Company, Cleveland, Ohio.

43—APRONS, LINEN.

S. L. Munson, Albany, N. Y.

44—AQUARIA AND AQUARIUM FOUNTAINS.

The J. L. Mott Iron Works, New York.

45—ARCHITECTS' AND DRAUGHTSMEN'S SUPPLIES.

Charles M. Higgins & Co., Brooklyn, N. Y.
Keuffel & Esser Company, New York.

46—ARCHITECTURAL POTTERY.

(See Terra Cotta, Architectural.)

47—ARCHITECTURAL SHEET METAL WORK.

Chester B. Albree Iron Works, Allegheny, Pa.
American Rolling Mill Company, Middletown, Ohio.
American Sheet and Tin Plate Company, Pittsburg, Pa.
E. B. Badger & Sons Company, Boston, Mass.
Bartlett, Hayward & Co., Baltimore, Md.
Berger Manufacturing Company, Canton, Ohio.
Brown-Ketcham Iron Works, Indianapolis, Ind.
Chattanooga Roofing and Foundry Company, Chattanooga, Tenn.
The Kinnear & Gager Company, Columbus, Ohio.
Klauer Manufacturing Company, Dubuque, Iowa.
David Lupton's Sons Company, Philadelphia, Pa.
The G. R. Lynch Manufacturing Company, Chattanooga, Tenn.
Manhattan Brass Company, New York.
Merritt & Co., Inc., Philadelphia, Pa.
Milliken Brothers, New York.
J. L. Mott Iron Works, New York.
W. H. Mullins, Salem, Ohio.
The Standard Company, Chicago, Ill.

48—ARMOR PLATE.

Bethlehem Steel Company, South Bethlehem, Pa.
Carbon Steel Company, New York.
Carnegie Steel Company, Pittsburg, Pa.
Midvale Steel Company, Philadelphia, Pa.

49—ART GOODS, CERAMIC.

American Encaustic Tiling Company, Ltd., New York.
The American Terra Cotta and Ceramic Company, Chicago, Ill.
The Cambridge Tile Manufacturing Company, Covington, Ky.
National Tile Company, Anderson, Ind.
The J. B. Owens Pottery Company, Zanesville, Ohio.
The Roseville Pottery Company, Zanesville, Ohio.
The Sevres China Company, East Liverpool, Ohio.
Trent Tile Company, Trenton, N. J.
Trenton Potteries Company, Trenton, N. J.
The Wheeling Potteries Company, Wheeling, W. Va.

50—ART GOODS, LEATHER.

Brown & Bigelow, St. Paul, Minn.
C. F. Rumpp & Sons, Philadelphia, Pa.

51—ART METAL GOODS.

M. S. Benedict Manufacturing Company, East Syracuse, N. Y.
Gorham Manufacturing Company, New York.
International Silver Company, Meriden, Conn.
The Jennings Brothers Manufacturing Company, Bridgeport, Conn.
Merritt & Co., Inc., Philadelphia, Pa.
W. H. Mullins, Salem, Ohio.
Philadelphia White Bronze Monument Company, Philadelphia, Pa.
Reed & Barton, Taunton, Mass.
Rockford Silver Plate Company, Rockford, Ill.
Whiting Manufacturing Company, New York.
Jno. Williams, New York.
Yale & Towne Manufacturing Company, New York.

52—ART SQUARES.

Ivins, Dietz & Metzger Company, Philadelphia, Pa.
Thomas L. Leedom Company, Bristol, Pa.

53—ARTIFICIAL LIMBS.

A. A. Marks, New York City.

54—ASBESTOS PRODUCTS.

Philip Carey Manufacturing Company, Lockland, Ohio.
Hall & Carpenter, Philadelphia, Pa.
Johns-Pratt Company, Hartford, Conn.
Keasbey & Mattison Company, Ambler, Pa.
H. F. Watson Company, Erie, Pa.

55—ASPHALT MATERIALS.

Philip Carey Manufacturing Company, Lockland, Ohio.
The Eastern Granite Roofing Company, New York.
Forest City Paint and Varnish Company, Cleveland, Ohio.
O'Brien Varnish Company, South Bend, Ind.
The Paraffine Paint Company, San Francisco, Cal.
United Oil and Refining Company, Boston, Mass.
Warren-Ehret Company, Philadelphia, Pa.

56—ATOMIZERS.

The E. C. Brown Company, Rochester, N. Y.
Davidson Rubber Company, Boston, Mass.
Davol Rubber Company, Providence, R. I.
B. F. Goodrich Company, Akron, Ohio.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Hero Fruit Jar Company, Philadelphia, Pa.
Hodgman Rubber Company, New York.
Tyer Rubber Company, Andover, Mass.
Whitall-Tatum Company, New York.

57—AUTOMOBILE PARTS.

The American Ball Bearing Company, Cleveland, Ohio.
American Tube and Stamping Company, Bridgeport, Conn.
W. H. Anderson & Sons, Inc., Detroit, Mich.
Billings & Spencer Company, Hartford, Conn.
The Case Manufacturing Company, Columbus, Ohio.
Chicago Screw Company, Chicago, Ill.
Crane & MacMahon, New York.
Federal Manufacturing Company, Cleveland, Ohio.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Interstate Foundry Company, Cleveland, Ohio.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
Lunkenheimer Company, Cincinnati, Ohio.
The Mason Regulator Company, Boston, Mass.
National Tube Company, Pittsburg, Pa.
The New Haven Carriage Company, New Haven, Conn.
William & Harvey Rowland, Inc., Frankford, Philadelphia, Pa.
Sherwood Manufacturing Company, Buffalo, N. Y.
Standard Wheel Company, Terre Haute, Ind.
Vehicle and Implement Spring Company, Pontiac, Mich.
Whitlock Coil Pipe Company, Hartford, Conn.

58—AUTOMOBILES, ELECTRIC.

The Baker Motor Vehicle Company, Cleveland, Ohio.
Electric Vehicle Company, Hartford, Conn.
St. Louis Car Company, St. Louis, Mo.
Studebaker Brothers Manufacturing Company, South Bend, Ind.

59—AUTOMOBILES, GASOLINE.

Autocar Company, Ardmore, Pa.
The Columbus Carriage and Harness Company, Columbus, Ohio.
Electric Vehicle Company, Hartford, Conn.
Fairbanks, Morse & Co., Chicago, Ill.
H. H. Franklin Manufacturing Company, Syracuse, N. Y.
The Haynes-Apperson Company, Kokomo, Ind.
Thomas B. Jeffery & Co., Kenosha, Wis.
Johnson Service Company, Milwaukee, Wis.
Knox Automobile Company, Springfield, Mass.
The New Haven Carriage Company, New Haven, Conn.
Nordyke & Marmon Company, Indianapolis, Ind.
Olds Motor Works, Detroit, Mich.
The George N. Pierce Company, Buffalo, N. Y.
Searchmont Automobile Company, Philadelphia, Pa.
Standard Wheel Company, Terre Haute, Ind.
J. Stevens Arms and Tool Company, Chicopee Falls, Mass.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Waterloo Motor Works, Waterloo, Iowa.

60—AUTOMOBILES, STEAM.

The Mason Regulator Company, Boston, Mass.
White Sewing Machine Company, Cleveland, Ohio.

61—AWNINGS, CLOTH.

Kelly Foundry and Machine Company, Goshen, Ind.
Marshall-Wells Hardware Company, Duluth, Minn.

62—AWNINGS, METAL.

(See Architectural Sheet Metal Work.)

63—AXES.

Collins & Co., New York.
The Evansville Tool Works, Evansville, Ind.
Kelly Axe Manufacturing Company, Charleston, W. Va.
Morley Brothers, Saginaw, Mich.
Fayette R. Plumb, Inc., Philadelphia, Pa.

64—AXES, ICE.

(See Ice Tools.)

65—AXLE BOXES.

Electric Wheel Company, Quincy, Ill.
Federal Manufacturing Company, Cleveland, Ohio.
The S. Jarvis Adams Company, Pittsburg, Pa.
St. Louis Car Company, St. Louis, Mo.

66—AXLES, AUTOMOBILE.

The American Ball Bearing Company, Cleveland, Ohio.
Federal Manufacturing Company, Cleveland, Ohio.

67—AXLES, BALL AND ROLLER BEARING.

The American Ball Bearing Company, Cleveland, Ohio.

68—AXLES, CAR.

American Car and Foundry Company, New York.
The Bass Foundry and Machine Company, Fort Wayne, Ind.
Bettendorf Axle Company, Davenport, Iowa.
Carnegie Steel Company, Pittsburg, Pa.
Duncan Foundry and Machine Works, Alton, Ill.
Erie Car Works, Erie, Pa.
Gould Coupler Company, New York.
Midvale Steel Company, Philadelphia, Pa.
The C. Pardee Works, Perth Amboy, N. J.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
Pittsburg Forge and Iron Company, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.
Taylor Iron and Steel Company, High Bridge, N. J.
The Watt Mining Car Wheel Company, Barnesville, Ohio.

69—AXLES, LOCOMOTIVE.

Gould Coupler Company, New York.
Midvale Steel Company, Philadelphia, Pa.

70—AXLES, WAGON AND CARRIAGE.

The American Ball Bearing Company, Cleveland, Ohio.
Ansted Spring and Axle Company, Connersville, Md.
S. R. Bailey & Co., Amesbury, Mass.
Bettendorf Axle Company, Davenport, Iowa.
Electric Wheel Company, Quincy, Ill.

70—AXLES, WAGON AND CARRIAGE—Continued.

Liggett Spring and Axle Company, Pittsburg, Pa.
Parry Manufacturing Company, Indianapolis, Ind.
Pontiac Axle Company, Pontiac, Mich.
Sheldon Axle Company, Wilkes-Barre, Pa.

71—BABBITT METAL.

Ajax Metal Company, Philadelphia, Pa.
Charles Bond, Philadelphia, Pa.
Colwell Lead Company, New York.
Clum & Atkinson, Rochester, N. Y.
Damascus Bronze Company, Pittsburg, Pa.
Eastwood Wire Manufacturing Company, Belleville, N. J.
Mackintosh, Hemphill & Co., Pittsburg, Pa.
Merchant & Co., Inc., Philadelphia, Pa.
New Era Manufacturing Company, Kalamazoo, Mich.
Paul S. Reeves & Son, Philadelphia, Pa.

72—BACON.

Armour & Co., Chicago, Ill.
Beech-Nut Packing Company, Canajoharie, N. Y.
The Cudahy Packing Company, New York.
G. H. Hammond Company, Chicago, Ill.
Kingan & Co., Ltd., Indianapolis, Ind.
Libby, McNeil & Libby, Inc., Chicago, Ill.
J. H. Michener & Co., Philadelphia, Pa.
Morris & Company, Chicago, Ill.
T. M. Sinclair & Co., Limited, Cedar Rapids, Iowa.
St. Louis Dressed Beef and Provision Company, St. Louis, Mo.
Swift and Company, Chicago, Ill.

73—BACTERIOLOGICAL APPARATUS.

Bausch & Lomb Optical Company, Rochester, N. Y.
Parke, Davis & Co., Detroit, Mich.
C. H. Stoelting Company, Chicago, Ill.

74—BADGES.

The J. F. W. Dorman Company, Baltimore, Md.
The Henderson-Ames Company, Kalamazoo, Mich.
Leonard Krower, New Orleans, La.
The M. C. Lilley & Co., Inc., Columbus, Ohio.

75—BAG HOLDERS.

Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Huntley Manufacturing Company, Silver Creek, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.
Port Huron Engine and Thresher Company, Port Huron, Mich.
Standard Scale and Supply Company, Ltd., Pittsburg, Pa.

76—BAGS, BURLAP.

John T. Bailey & Co., Philadelphia, Pa.
Bemis Bro. Bag Company, St. Louis, Mo.
The Cleveland-Akron Bag Company, Cleveland, Ohio.
Fulton Bag and Cotton Mills, New York.
Milwaukee Bag Company, Milwaukee, Wis.

77—BAGS, CHATELAINE AND SHOPPING.

B. Conlan & Co., Newark, N. J.
The M. C. Lilley & Co., Inc., Columbus, Ohio.
John Mehl & Co., Jersey City, N. J.
C. F. Rumpp & Sons, Philadelphia, Pa.

78—BAGS, COAL.

Morris & Co., Groveville, N. J.

79—BAGS, COTTON.

Ames & Harris, Inc., San Francisco, Cal.
Arkell & Smiths, Canajoharie, N. Y.
John T. Bailey & Co., Philadelphia, Pa.
Bemis Bro. Bag Company, St. Louis, Mo.
The Cleveland-Akron Bag Company, Cleveland, Ohio.
Fulton Bag and Cotton Mills, New York.
Milwaukee Bag Company, Milwaukee, Wis.
Morgan & Hamilton Company, Nashville, Tenn.

80—BAGS, DUCK.

Bemis Bro. Bag Company, St. Louis, Mo.

81—BAGS, FILTER.

Buffalo Forge Company, Buffalo, N. Y.
T. Shriver & Co., New York.

82—BAGS, GRASS TWINE.

Taggart Brothers Company, Watertown, N. Y.

83—BAGS, JUTE.

Ames & Harris, Inc., San Francisco, Cal.
Arkell & Smiths, Canajoharie, N. Y.
Bemis Bro. Bag Company, St. Louis, Mo.
Chelsea Jute Mills, New York.
Fulton Bag and Cotton Mills, New York.
Milwaukee Bag Company, Milwaukee, Wis.

84—BAGS, PAPER.

Advance Bag Company, Middletown, Ohio.
Arkell & Smiths, Canajoharie, N. Y.
The Cleveland-Akron Bag Company, Cleveland, Ohio.
Commercial Envelope and Box Company, Binghamton, N. Y.
Fulton Bag and Cotton Mills, New York.
Morgan & Hamilton Company, Nashville, Tenn.
Prairie State Paper Company, Taylorville, Ill.
The J. W. Sefton Manufacturing Company, Chicago, Il'
Taggart Brothers Company, Watertown, N. Y.
Tarentum Paper Mills, Pittsburg, Pa.
Union Bag and Paper Company, New York.

85—BAGS, SEAMLESS.

Chelsea Jute Mills, New York.
Fulton Bag and Cotton Mills, New York.

86—BAGS, TRAVELING.

Headley & Farmer Company, Newark, N. J.
The Henderson-Ames Company, Kalamazoo, Mich.
Henry Likly & Co., Rochester, N. Y.
The M. C. Lilley & Co., Inc., Columbus, Ohio.
Meier & Schuknecht. Detroit, Mich.
The Homer Young Company, Toledo, Ohio.

87—BAGGING, COTTON.

Bibb Manufacturing Company, Macon, Ga.
Brandon Mills, Greenville, S. C.
Fulton Bag and Cotton Mills, New York.

87—BAGGING, COTTON—Continued.

Ludlow Manufacturing Associates, Boston, Mass.
Massachusetts Cotton Mills, Boston, Mass.
Monaghan Mills, Greenville, S. C.
Peru Bagging Manufacturing Company, Peru, Ind.

88—BAKERY GOODS.

H. H. Kohlsaat & Co., Chicago, Ill.
Pacific Coast Biscuit Company, Portland, Ore.

89—BALANCES, SPRING.

(See Scales, Spring Balance.)

90—BALLAST, RAILROAD.

Gager Lime and Manufacturing Company, Chattanooga, Tenn.
The Norris & Christian Stone and Lime Company, Marion, Ohio.
Franklin Stone Company, Marble Cliff, Ohio.

91—BALLAST UNLOADERS.

(See also Machines, Car Dumping and Unloading.)

A. Leschen & Sons Rope Company, St. Louis, Mo.
Lidgerwood Manufacturing Company, New York.
Marion Steam Shovel Company, Marion, Ohio.
Western Wheeled Scraper Company, Aurora, Ill.

92—BALLING MACHINES FOR TWINE.

Draper Company, Hopedale, Mass.
John Loyd Company, New York.

93—BALLS, BILLIARD.

The Brunswick-Balke-Collender Company, New York.
B. A. Stevens, Toledo, Ohio.

94—BALLS, BRASS, ALUMINUM, GERMAN SILVER, ETC.

Federal Manufacturing Company, Cleveland, Ohio.

95—BALLS, GOLF.

(See Golf Balls.)

96—BALLS, MALLEABLE IRON AND STEEL.

Federal Manufacturing Company, Cleveland, Ohio.
Standard Roller Bearing Company, Philadelphia, Pa.

97—BALLS, TEN PIN.

The Brunswick-Balke-Collender Company, New York.
The Crawford, McGregor & Canby Company, Dayton, Ohio.
F. X. Ganter, Baltimore, Md.
National Novelty Corporation, New York.
John Sommer's Son, Newark, N. J.
B. A. Stevens, Toledo, Ohio.

98—BANANAS AND PRODUCTS.

The Kendrick Promotion Company, Denver, Col.

99—BANDAGES, SURGICAL.

Davol Rubber Company, Providence, R. I.
J. Ellwood Lee Company, Conshohocken, Pa.
Seabury & Johnson, New York.
Tyer Rubber Company, Andover, Mass.

100—BANDS, ELASTIC.

(See Rubber Bands.)

101—BANDS, HUB.

Higgin Manufacturing Company, Newport, Ky.

102—BANKS, TOY.

National Novelty Corporation, New York.
Wrightsville Hardware Company, Wrightsville, Pa.

103—BAR FIXTURES.

(See Fixtures, Bar.)

104—BAR GOODS, GLASS.

Cumberland Glass Company, Cumberland, Md.
Cumberland Glass Manufacturing Company, Bridgeton, N. J.
C. Dorflinger & Sons, New York.
The Duncan & Miller Glass Company, Washington, Pa.
The Fairmount Glass Works, Fairmount, Ind.
Federal Glass Company, Columbus, Ohio.
The Fostoria Glass Company, Moundsville, W. Va.
A. H. Heisey & Co., Inc., Newark, Ohio.
Illinois-Pacific Glass Company, San Francisco, Cal
National Glass Company, Pittsburg, Pa.
Poughkeepsie Glass Works, Poughkeepsie, N. Y.
Seneca Glass Company, Morgantown, W. Va.
Swindell Brothers, Baltimore, Md.
Tarentum Glass Company, Tarentum, Pa.
United States Glass Company, Pittsburg, Pa.

105—BARGES.

Atlantic Works, East Boston, Mass.
Gas Engine and Power Company and Charles L. Seabury & Co., New York.
The Johnson Iron Works, Limited, New Orleans, La.
Pusey & Jones Company, Wilmington, Del.

106—BAROMETERS.

(See Thermometers.)

107—BARRELS AND KEGS.

Bauer Cooperage Company, Lawrenceburg, Ind.
Bousfield Wooden Ware Company, Minneapolis, Minn.
California Barrel Company, San Francisco, Cal.
Chickasaw Cooperage Company, Memphis, Tenn.
Cincinnati Cooperage Company, Cincinnati, Ohio.
The Holmes Lime Company, San Francisco, Cal.
Menasha Wooden Ware Company, Menasha, Wis.
The Ohio Cooperage Company, Cleveland, Ohio.
Pioneer Cooperage Company, Chicago, Ill.
Union Cooperage Company, St. Louis, Mo.
H. D. Williams Cooperage Company, Poplar Bluff, Mo.
David Woerner Cooperage Company, San Francisco, Cal.

108—BARRELS, STEEL.

W. J. Clark Company, Salem, Ohio.
Cleveland Wire Spring Company, Cleveland, Ohio.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.

109—BARROWS (FOR BAGGAGE, ETC.).

Belle City Manufacturing Company, Racine Junction, Wis.
Boston and Lockport Block Company, Boston, Mass.
W. J. Clark Company, Salem, Ohio.
Fairbanks Company, New York.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.

109—BARROWS (FOR BAGGAGE, ETC.)—Continued.

Nordyke & Marmon Company, Indianapolis, Ind.
Sidney Steel Scraper Company, Sidney, Ohio.
M. H. Treadwell & Co., of Pa., Lebanon, Pa.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.
Wrightsville Hardware Company, Wrightsville, Pa.

110—BARS, COMMUTATOR.

Auburn Button Works, Auburn, N. Y.
Billings & Spencer Company, Hartford, Conn.

111—BARS, CONCRETE.

Chester B. Albree Iron Works, Allegheny, Pa.
Merritt & Co., Inc., Philadelphia, Pa.

112—BARS, GRATE.

James Barker, Philadelphia, Pa.
Kelly Foundry and Machine Company, Goshen, Ind.
McClave Brooks Company, Scranton, Pa.
Nordyke & Marmon Company, Indianapolis, Ind.
Phillips & Buttorff Manufacturing Company, Nashville, Tenn.
Pittsburgh Stove and Range Company, Allegheny, Pa.
Price-Evans Foundry Company, Chattanooga, Tenn.
T. Shriver & Co., New York.
The Stirling Company, Chicago, Ill.

113—BARS, SHUTTER.

Grand Rapids Brass Company, Grand Rapids, Mich.
Sargent & Co., New York.

114—BARYTE.

Hammill & Gillespie, New York.
Franklin H. Kalbfleisch Company, New York.
Nulsen, Klein & Krausse Manufacturing Company, St. Louis, Mo.

115—BASKETS (FOR FRUIT).

The Michigan Barrel Company, Grand Rapids, Mich.

116—BASKETS, COTTON DUCK.

Morris & Co., Groveville, N. J.

117—BASKETS, PAPER.

Mullen Brothers Paper Company, St. Joseph, Mich.

118—BASKETS, WIRE.

Gilbert & Bennett Manufacturing Company, Georgetown, Conn.
John H. Graham & Co., New York.
Howard & Morse, New York.
R. C. Jenkinson & Co., Newark, N. J.
Kelly Foundry and Machine Company, Goshen, Ind.
Kilbourne Manufacturing Company, Troy, N. Y.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
The New Jersey Wire Cloth Company, Trenton, N. J.
Taylor & Dean, Pittsburg, Pa.

119—BATH CABINETS.

The Robinson Manufacturing Company, Toledo, Ohio.
Toledo Cooker Company, Toledo, Ohio.

120—BATH ROBES.

United Shirt and Collar Company, Troy, N. Y.

121—BATH TUBS, COPPER.

John Trageser Steam Copper Works, New York.

122—BATH TUBS, ENAMELED IRON AND STEEL.

The Cahill Iron Works, Chattanooga, Tenn.
Colwell Lead Company, New York.
J. M. Kohler Sons Company, Sheboygan, Wis.
J. L. Mott Iron Works, New York.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
Standard Sanitary Manufacturing Company, Pittsburg, Pa.
John Trageser Steam Copper Works, New York.
L. Wolff Manufacturing Company, Chicago, Ill.

123—BATH TUBS, FOLDING RUBBER.

The Robinson Manufacturing Company, Toledo, Ohio.

124—BATH TUBS, SOLID PORCELAIN.

J. L. Mott Iron Works, New York.
Trenton Potteries Company, Trenton, N. J.
L. Wolff Manufacturing Company, Chicago, Ill.

125—BATTERIES, ELECTRIC.

Doubleday-Hill Electric Company, Pittsburg, Pa.
Edison Phonograph Works, Orange, N. J.
Electrical Manufacturers' Export Company, New York.
General Electric Company, Schenectady, N. Y.
Gordon Battery Company, New York.
The Jones Electrical Company, New York.
National Carbon Company, Cleveland, Ohio.
Stanley & Patterson, Inc., New York.
The Sumter Telephone Manufacturing Company, Sumter, S. C.

126—BATTERIES, ELECTRIC STORAGE.

American Electric Telephone Company, Chicago, Ill.
Dayton Manufacturing Company, Dayton, Ohio.
Stanley & Patterson, Inc., New York.

127—BATTERY CELLS, HARD RUBBER.

American Hard Rubber Company, New York.
Diamond Rubber Company, Akron, Ohio.
Morgan & Wright, Chicago, Ill.

128—BATTING, COTTON.

Carman Manufacturing Company, Tacoma, Wash.
The Evansville Cotton Manufacturing Company, Evansville, Ind.
Riverside Mills, Augusta, Ga.
Thomas Henry Smith, Jamestown, N. Y.
Stearns & Foster Company, Cincinnati, Ohio.
Union Wadding Company, Pawtucket, R. I.

129—BEARINGS, BALL.

The American Ball Bearing Company, Cleveland, Ohio.
P. & F. Corbin, New Britain, Conn.
Federal Manufacturing Company, Cleveland, Ohio.
La Porte Carriage Company, La Porte, Ind.
Nordyke & Marmon Company, Indianapolis, Ind.
Standard Roller Bearing Company, Philadelphia, Pa.
Stanley Works, New Britain, Conn.

130—BEARINGS, BALL THRUST.

The American Ball Bearing Company, Cleveland, Ohio.
Standard Roller Bearing Company, Philadelphia, Pa.
John E. Thropp's Sons Co., Trenton, N. J.

131—BEARINGS, CAR JOURNAL.

Erie Car Works, Erie, Pa.
Gould Coupler Company, New York.
Paul S. Reeves & Son, Philadelphia, Pa.
St. Louis Car Company, St. Louis, Mo.
Standard Roller Bearing Company, Philadelphia, Pa.
The Watt Mining Car Wheel Company, Barnesville, Ohio.

132—BEARINGS, CAR SIDE.

Chicago Railway Equipment Company, Chicago, Ill.
Erie Car Works, Erie, Pa.
Simplex Railway Appliance Company, Hammond, Ind.
The Watt Mining Car Wheel Company, Barnesville, Ohio.

133—BEARINGS, CRANE AND TURNTABLE.

Standard Roller Bearing Company, Philadelphia, Pa.

134—BEARINGS, ENGINE.

Damascus Bronze Company, Pittsburg, Pa.

135—BEARINGS, PROPELLER.

William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Paul S. Reeves & Son, Philadelphia, Pa.
Standard Roller Bearing Company, Philadelphia, Pa.
John E. Thropp's Sons Co., Trenton, N. J.
Torrey Roller Bushing Works, Bath, Me.

136—BEARINGS, ROLLER.

Bliss & Van Auken, Saginaw, Mich.
Boston and Lockport Block Company, Boston, Mass.
P. & F. Corbin, New Britain, Conn.
La Porte Carriage Company, La Porte, Ind.
Simplex Railway Appliance Company, Hammond, Ind.
Standard Roller Bearing Company, Philadelphia, Pa.
Torrey Roller Bushing Works, Bath, Me.

137—BEARINGS, SHAFT.

(See Pillow Blocks, also Hangers.)

138—BEARINGS, WOOD.

Von Behren Manufacturing Company, Evansville, Ind.

139—BED SPREADS.

Joseph H. Bromley, Philadelphia, Pa.
Hamburger Cotton Mills, Columbus, Ga.
Hope Webbing Company, Providence, R. I.

140—BEDS, FOLDING.

Acme Kitchen Furniture Company, Chattanooga, Tenn.
Hale & Kilburn Manufacturing Company, Philadelphia, Pa.
Hodell Furniture Company, Shelbyville, Ind.
Jamestown Lounge Company, Jamestown, N. Y.
Karges Furniture Company, Evansville, Ind.
T. B. Laycock Manufacturing Company, Indianapolis, Ind.
The Welch Folding Bed Company, Grand Rapids, Mich.

141—BEDS, HOSPITAL.

Bernstein Manufacturing Company, Philadelphia, Pa.
Foster Bros. Manufacturing Company, Utica, N. Y.
Greenpoint Metallic Bed Company, Brooklyn, N. Y.
Kny-Scheerer Company, New York.
A. J. Logan & Co., Pittsburg, Pa.
Union Wire Mattress Company, Chicago, Ill.

142—BEDS, INVALID.

W. D. Allison Company, Indianapolis, Ind.
Foster Bros. Manufacturing Company, Utica, N. Y.
Greenpoint Metallic Bed Company, Brooklyn, N. Y.
Union Wire Mattress Company, Chicago, Ill.

143—BEDS, SPRING.

Cleveland Wire Spring Company, Cleveland, Ohio.
Foster Bros. Manufacturing Company, Utica, N. Y.
M. A. Hunt & Co., Cincinnati, Ohio.
T. B. Laycock Manufacturing Company, Indianapolis, Ind.
A. J. Logan & Co., Pittsburg, Pa.
Seattle Mattress and Upholstery Company, Seattle, Wash.
The Simmons Manufacturing Company, Chicago, Ill.
Union Wire Mattress Company, Chicago, Ill.

144—BEDSTEADS, BRASS AND IRON.

Adams & Westlake Company, Chicago, Ill.
Art Bedstead Company, Chicago, Ill.
Bernstein Manufacturing Company, Philadelphia, Pa.
Carman Manufacturing Company, Tacoma, Wash.
Foster Bros. Manufacturing Company, Utica, N. Y.
Greenpoint Metallic Bed Company, Brooklyn, N. Y.
T. B. Laycock Manufacturing Company, Indianapolis, Ind.
A. J. Logan & Co., Pittsburg, Pa.
Oliver Bros. Company, Lockport, N. Y.
The Simmons Manufacturing Company, Chicago, Ill.
Union Wire Mattress Company, Chicago, Ill.

145—BEDSTEADS, WOODEN.

(See Furniture, Bedroom.)

146—BEEF PRODUCTS.

Armour & Co., Chicago, Ill.
Beech-Nut Packing Company, Canajoharie, N. Y.
The Cudahy Packing Company, New York.
G. H. Hammond Company, Chicago, Ill.
Libby, McNeil & Libby, Inc., Chicago, Ill.
Morris & Company, Chicago, Ill.
St. Louis Dressed Beef and Provision Company, St. Louis, Mo.
Swift and Company, Chicago, Ill.

147—BEE-KEEPERS' SUPPLIES.

The A. I. Root Company, Medina, Ohio.

148—BEER.

Acme Brewing Company, Macon, Ga.
Anheuser-Busch Brewing Association, St. Louis, Mo.
P. Ballantine & Sons, Newark, N. J.
Berghoff Brewing Company, Fort Wayne, Ind.
Bradford Brewing Company, Bradford, Pa.
Central Consumers' Company, Louisville, Ky.

148—BEER—Continued.

Chattanooga Brewing Company, Chattanooga, Tenn.
F. W. Cook Brewing Company, Evansville, Ind.
Evansville Brewing Association, Evansville, Ind.
Christian Feigenspan, Inc., Newark, N. J.
Finlay Brewing Company, Toledo, Ohio.
John Gund Brewing Company, La Crosse, Wis.
Otto Huber Brewery, Brooklyn, N. Y.
Indianapolis Brewing Company, Indianapolis, Ind.
Kamm & Schellinger Brewing Company, Mishawaka, Ind.
Gottfried Krueger Brewing Company, Newark, N. J.
Muessel Brewing Company, South Bend, Ind.
Jacob Ruppert, New York.
The F. & M. Schaefer Brewing Company, New York.
Joseph Schlitz Brewing Company, Milwaukee, Wis.
C. Schmidt & Sons Brewing Company, Philadelphia, Pa.
Seattle Brewing and Malting Company, Seattle, Wash.
Yale Brewing Company, Inc., New Haven, Conn.

149—BEESWAX.

The A. I. Root Company, Medina, Ohio.
Levi Smith, North Clarendon, Pa.
Will & Baumer Company, Syracuse, N. Y.

150—BEET IMPLEMENTS.

Bateman Manufacturing Company, Grenloch, N. J.
Benicia Iron Works, Benicia, Cal.
Deere & Mansur Company, Moline, Ill.
Gale Manufacturing Co., Albion, Mich.
Iowa Farming Tool Company, Fort Madison, Iowa.
Moline Plow Company, Moline, Ill.

151—BELLS, BICYCLE.

American Tube and Stamping Company, Bridgeport, Conn.
John H. Graham & Co., New York.
New Departure Manufacturing Company, Bristol, Conn.

152—BELLS, CAR.

Dayton Manufacturing Company, Dayton, Ohio.
New Departure Manufacturing Company, Bristol, Conn.

153—BELLS, CHURCH, SCHOOL, FARM, ETC.

Blymyer Iron Works Company, Cincinnati, Ohio.
The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
W. T. Garratt & Co., San Francisco, Cal.
Goulds Manufacturing Company, Seneca Falls, N. Y.
National Novelty Corporation, New York.
Ross Meehan Foundry Company, Chattanooga, Tenn.
Sargent & Co., New York.

154—BELLS, DOOR.

John H. Graham & Co., New York.
National Novelty Corporation, New York.
New Departure Manufacturing Company, Bristol, Conn.
Russell & Erwin Manufacturing Company, New Britain, Conn.
Sargent & Co., New York.

155—BELLS, ELECTRIC.

Holtzer-Cabot Electric Company, Brookline, Mass.
Stanley & Patterson, Inc., New York.
The Sumter Telephone Manufacturing Company, Sumter, S. C.

156—BELLS, FIRE.

Blymyer Iron Works Company, Cincinnati, Ohio.
New Departure Manufacturing Company, Bristol, Conn.

157—BELLS, HAND.

The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
National Novelty Corporation, New York.
New Departure Manufacturing Company, Bristol, Conn.

158—BELLS, SLEIGH.

National Novelty Corporation, New York.

159—BELT GUIDES AND SHIFTERS, AUTOMATIC.

Lane Manufacturing Company, Montpelier, Vt.
The Mason Regulator Company, Boston, Mass.
Nordyke & Marmon Company, Indianapolis, Ind.
Parsons Band Cutter and Self-Feeder Company, Newton, Iowa.

160—BELT TIGHTENERS.

American Tool and Machine Company, Boston, Mass.
Hoggson & Pettis Manufacturing Company, New Haven, Conn.
Lane Manufacturing Company, Montpelier, Vt.
Manning, Maxwell & Moore, New York.
National Novelty Corporation, New York.
Nordyke & Marmon Company, Indianapolis, Ind.
Page Belting Company, Concord, N. H.
Sprout, Waldron & Co., Muncy, Pa.
T. B. Wood's Sons, Chambersburg, Pa.

161—BELTING, BALATA.

New York Leather Belting Company, New York.

162—BELTING, CAMEL'S HAIR.

Rossendale-Reddaway Belting and Hose Company, Newark, N. J.

163—BELTING, CANVAS.

Buffalo Weaving and Belting Company, Buffalo, N. Y.
Main Belting Company, Philadelphia, Pa.
New York Leather Belting Company, New York.
Page Belting Company, Concord, N. H.
Rossendale-Reddaway Belting and Hose Company, Newark, N. J.
Warren Manufacturing Company, Warren, Md.

164—BELTING, CONVEYOR.

Boston Belting Company, Boston, Mass.
Buffalo Weaving and Belting Company, Buffalo, N. Y.
Page Belting Company, Concord, N. H.

165—BELTING, LEATHER.

Akron Belting Company, Akron, Ohio.
Alexander Brothers, Philadelphia, Pa.
Bay State Belting Company, Boston, Mass.
Bickford & Francis Belting Company, Buffalo, N. Y.
Charles Bond, Philadelphia, Pa.
Bradford Belting Company, Cincinnati, Ohio.
Chicago Belting Company, Chicago, Ill.
Detroit Oak Belting Company, Detroit, Mich.
Graton & Knight Manufacturing Company, Worcester, Mass.
E. F. Houghton & Co., Philadelphia, Pa.
Jewell Belting Company, Hartford, Conn.
New York Leather Belting Company, New York.

165—BELTING, LEATHER—Continued.

Page Belting Company, Concord, N. H.
Charles A. Schieren & Co., New York.
Shultz Belting Company, St. Louis, Mo.
I. B. Williams & Sons, Dover, N. H.

166—BELTING, LEATHER (ROUND).

New York Leather Belting Company, New York.
Page Belting Company, Concord, N. H.
The Sewing Machine Supplies Company, Boston, Mass.
I. B. Williams & Sons, Dover, N. H.

167—BELTING, LINK-CHAIN.

C. O. Bartlett & Snow Company, Cleveland, Ohio.
Buhl Malleable Company, Detroit, Mich.
Chain Belt Company, Milwaukee, Wis.
Jeffrey Manufacturing Company, Columbus, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.

168—BELTING, RUBBER.

Boston Belting Company, Boston, Mass.
Buffalo Weaving and Belting Company, Buffalo, N. Y.
Diamond Rubber Company, Akron, Ohio.
Empire Rubber Manufacturing Company, Trenton, N. J.
The Eureka Rubber Manufacturing Company, Trenton, N. J.
Goodyear Tire and Rubber Company, Akron, Ohio.
B. F. Goodrich Company, Akron, Ohio.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
Home Rubber Company, Trenton, N. J.
Jeffrey Manufacturing Company, Columbus, Ohio.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.
Page Belting Company, Concord, N. H.
Quaker City Rubber Company, Philadelphia, Pa.
Revere Rubber Company, Boston, Mass.
United and Globe Rubber Manufacturing Companies, Trenton, N. J.

169—BELTS, WOMEN'S, LEATHER.

B. Conlan & Co., Newark, N. J.
John Mehl & Co., Jersey City, N. J.

170—BIBBS.

(See Fittings, Steam, Gas and Water.)

171—BICYCLE PARTS.

American Tube and Stamping Company, Bridgeport, Conn.
Billings & Spencer Company, Hartford, Conn.
National Tube Company, Pittsburg, Pa.
The Standard Welding Company, Cleveland, Ohio.

172—BICYCLE SUNDRIES.

Bridgeport Brass Company, Bridgeport, Conn.
B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.
John H. Graham & Co., New York.
Graton & Knight Manufacturing Company, Worcester, Mass.
M. Hartley Company, New York.
Miller Lock Company, Philadelphia, Pa.
Edward Miller & Co., Meriden, Conn.
New Departure Manufacturing Company, Bristol, Conn.

173—BICYCLES.

Davis Sewing Machine Company, Dayton, Ohio.
Eagle Bicycle Manufacturing Company, Torrington, Conn.
The Gendron Wheel Company, Toledo, Ohio.
The Miami Cycle and Manufacturing Company, Middletown, Ohio.
National Sewing Machine Company, Belvidere, Ill.
The George N. Pierce Company, Buffalo, N. Y.

174—BILLIARD SUPPLIES.

The Brunswick-Balke-Collender Company, New York.
B. A. Stevens, Toledo, Ohio.

175—BILLIARD TABLES.

(See Tables, Billiard and Pool.)

176—BILLING MACHINES.

(See Machines, Billing.)

177—BINDERS.

(See Reapers and Binders.)

178—BINDING, LOOSE LEAF.

Baker-Vawter Company, Chicago, Ill.
Eichbaum Company, Pittsburg, Pa.
William G. Johnston & Co., Pittsburg, Pa.
William Mann Company, Philadelphia, Pa.
The Samuel C. Tatum Company, Cincinnati, Ohio.
The Weis Manufacturing Company, Toledo, Ohio.

179—BINOCULARS.

C. P. Goerz Optical Works, New York.

180—BINS, COAL, ETC.

(See Tanks, Iron and Steel, also Ironwork, Plate and Sheet.)

181—BIOLOGIC PRODUCTS.

Parke, Davis & Co., Detroit, Mich.
Frederick Stearns & Co., Detroit, Mich.

182—BISCUITS.

Malta-Vita Pure Food Company, Battle Creek, Mich.
Pacific Coast Biscuit Company, Portland, Ore.

183—BISMUTH SUBNITRATE.

Mallinckrodt Chemical Works, St. Louis, Mo.
Rosengarten & Sons, Inc., Philadelphia, Pa.

184—BITS, AUGER.

Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Eagle Bicycle Manufacturing Company, Torrington, Conn.
Goodell-Pratt Company, Greenfield, Mass.
John H. Graham & Co., New York.
M. Hartley Company, New York.
C. E. Jennings & Co., New York.
Mack & Co., Rochester, N. Y.
Rockford Bit Company, Kokomo, Ind.
Sargent & Co., New York.
Samuel J. Shimer & Sons, Milton, Pa.
Tower & Lyon Company, New York.

185—BITS, EXPANSION.

C. E. Jennings & Co., New York.
Tower & Lyon Company, New York.

186—BITS, MACHINE.

(See Cutters, Milling, also Knives, Machine.)

187—BITS, RIDING AND DRIVING.

(See Hardware, Saddlery.)

188—BLACKBOARDS.

The A. H. Andrews Company, Chicago, Ill.
R. O. Evans & Co., Owensboro, Ky.
National Novelty Corporation, New York.
Standard Table Oil Cloth Company, New York.
The Vermont Slate Company, Inc., Granville, N. Y.

189—BLACKING, SHOE.

A. Colburn Company, Philadelphia, Pa.
Frank Miller Company, New York.
Restorff & Bettmann, New York.
The Sewing Machine Supplies Company, Boston, Mass.
Whittemore Brothers & Co., Cambridge, Mass.

190—BLANKETS, COTTON.

Chicopee Manufacturing Company, Boston, Mass.
Tremont and Suffolk Mills, Boston, Mass.

191—BLANKETS, FELT.

The Faatz-Reynolds Felting Company, Lestershire, N. Y.
F. C. Huyck & Sons, Rensselaer, N. Y.
Shuler & Benninghofen, Hamilton, Ohio.

192—BLANKETS, HORSE.

L. C. Chase & Co., Boston, Mass.
Fulton Bag and Cotton Mills, New York.
Norfolk Woolen Company, Franklin, Mass.
Troy Blanket Mills, Troy, N. H.

193—BLANKETS, RUBBER.

Boston Belting Company, Boston, Mass.
Canfield Rubber Company, Bridgeport, Conn.
B. F. Goodrich Company, Akron, Ohio.

194—BLANKETS, WOOL.

Tremont and Suffolk Mills, Boston, Mass.
Zanesville Woolen Manufacturing Company, Zanesville, Ohio.

195—BLAST FURNACE EQUIPMENT.

Boyts, Porter & Co., Connellsville, Pa.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Chicago Flexible Shaft Company, Chicago, Ill.
Evens & Howard Fire Brick Company, St. Louis, Mo.
James Lappan Manufacturing Company, Pittsburg, Pa.
The Lima Locomotive and Machine Company, Lima, Ohio.
James McNeil & Bro. Company, Pittsburg, Pa.
Macbeth Iron Company, Cleveland, Ohio.
Mackintosh, Hemphill & Co., Pittsburg, Pa.
Mesta Machine Company, Pittsburg, Pa.
John Mohr & Sons, Chicago, Ill.
The Morgan Engineering Company, Alliance, Ohio.

195—BLAST FURNACE EQUIPMENT—Continued.

R. S. Newbold & Son Company, Norristown, Pa.
Otis Elevator Company, New York.
Parker-Russell Mining and Manufacturing Company, St. Louis, Mo.
Pennsylvania Engineering Works, New Castle, Pa.
Pittsburg Valve, Foundry and Construction Company, Pittsburg, Pa.
H. K. Porter Company, Pittsburg, Pa.
The Reeves Brothers Company, Alliance, Ohio.
Riverside Foundry Company, Cleveland, Ohio.
Southwark Foundry and Machine Company, Philadelphia, Pa.
B. F. Sturtevant Company, Hdye Park, Mass.
Tippett & Wood, Phillipsburg, N. J.
The William Tod Company, Youngstown, Ohio.
M. H. Treadwell & Co., of Pa., Lebanon, Pa.
M. D. Valentine & Brother Company, Woodbridge, N. J.
Variety Iron Works Company, Cleveland, Ohio.

196—BLASTING CAPS AND APPARATUS.

The Aetna Powder Company, Chicago, Ill.
Ensign, Bickford & Co., Simsbury, Conn.
Equitable Powder Manufacturing Company, St. Louis, Mo.
Laflin & Rand Powder Company, New York.

197—BLEACHERIES.

The Aspinook Company, Jewett City, Conn.
Joseph Bancroft & Sons Company, Wilmington, Del.
Millville Manufacturing Company, Philadelphia, Pa.
The New York Mills, New York Mills, Oneida Co., N. Y.
Standard Bleachery Company, Carlton Hill, N. J.
United States Finishing Company, New York.

198—BLIND ROLLERS, SPRING.

(See Rollers, Shade and Blind.)

199—BLOCKS FOR DIE WORK.

Torrey Roller Bushing Works, Bath, Me.
J. B. Wise, Watertown, N. Y.

200—BLOCKS, PAVING.

Bessemer Limestone Company, Youngstown, Ohio.
Warren-Ehret Company, Philadelphia, Pa.

201—BLOCKS FOR WIRE ROPE.

Boston and Lockport Block Company, Boston, Mass.

202—BLOCKS, TACKLE.

American Pulley Company, Philadelphia, Pa.
Boston and Lockport Block Company, Boston, Mass.
Contractors' Plant Manufacturing Company, Buffalo, N. Y.
Detroit Shipbuilding Company, Detroit, Mich.
Lambert Hoisting Engine Company, Newark, N. J.
Thomas Laughlin Company, Portland, Me.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Modern Steel Structural Company, Waukesha, Wis.
Nordyke & Marmon Company, Indianapolis, Ind.
Wm. J. Oliver Manufacturing Company, Knoxville, Tenn.
Wilcox, Crittenden & Co., Middletown, Conn.
Yale & Towne Manufacturing Company, New York.

203—BLOWERS, FAN.

American Blower Company, Detroit, Mich.
Birmingham Machine and Foundry Company, Birmingham, Ala.
Broomell, Schmidt & Steacy Company, York, Pa.
Buffalo Forge Company, Buffalo, N. Y.
Eagle Iron Works, Des Moines, Iowa.
Howard & Morse, New York.
Lane & Bodley Company, Cincinnati, Ohio.
Manning, Maxwell & Moore, New York.
Nordyke & Marmon Company, Indianapolis, Ind.
J. W. Paxson Co., Philadelphia, Pa.
Southwark Foundry and Machine Company, Philadelphia, Pa.
B. F. Sturtevant Company, Hyde Park, Mass.
L. J. Wing Manufacturing Company, New York.

204—BLOWERS, FLUE, STEAM.

McClave Brooks Company, Scranton, Pa.
Power Specialty Company, Detroit, Mich.
Sherwood Manufacturing Company, Buffalo, N. Y.

205—BLOWERS, HAND.

Buffalo Forge Company, Buffalo, N. Y.

206—BLOWERS, ROTARY, POSITIVE.

The Connersville Blower Company, Connersville, Ind.
McClave Brooks Company, Scranton, Pa.
Practical Gas Construction Company, North Chicago, Ill.
Robinson Machine Company, Monongahela, Pa.
The William Tod Company, Youngstown, Ohio.
L. J. Wing Manufacturing Company, New York.

207—BLUING, LAUNDRY.

A. Colburn Company, Philadelphia, Pa.
Dodson-Braun Manufacturing Company, St. Louis, Mo.
E. C. Hazard & Co., New York.

208—BOATS, MOTOR.

Racine Boat Manufacturing Company, Muskegon, Mich.
Truscott Boat Manufacturing Company, St. Joseph, Mich.

209—BOATS, ROW.

Detroit Shipbuilding Company, Detroit, Mich.
W. H. Mullins, Salem, Ohio.
Racine Boat Manufacturing Company, Muskegon, Mich.
Truscott Boat Manufacturing Company, St. Joseph, Mich.

210—BOILER BRACES, STEEL.

The Brownell Company, Dayton, Ohio.
Glasgow Iron Company, Pottstown, Pa.

211—BOILER CASING, STEEL.

Christopher Cunningham, Brooklyn, N. Y.

212—BOILER COMPOUND.

Fiske Brothers Refining Company, New York.
Franklin H. Kalbfleisch Company, New York.
Stephenson Manufacturing Company, Albany, N. Y.

213—BOILER COVERING.

(See Covering, Boiler and Steam Pipe.)

214—BOILER FRONTS.

Christopher Cunningham, Brooklyn, N. Y.
Kelly Foundry and Machine Company, Goshen, Ind.
Love Brothers, Inc., Aurora, Kane County, Ill.
Nordyke & Marmon Company, Indianapolis, Ind.
Pittsburgh Stove and Range Company, Allegheny, Pa.
The Vulcan Iron Works Company, Toledo, Ohio.

215—BOILER HEADS, FLANGED.

The Brownell Company, Dayton, Ohio.
Glasgow Iron Company, Pottstown, Pa.
Kelly Foundry and Machine Company, Goshen, Ind.

216—BOILERS, COPPER.

E. B. Badger & Sons Company, Boston, Mass.

217—BOILERS, FIRE BOX.

Atlas Engine Works, Indianapolis, Ind.
The Aultman & Taylor Machinery Company, Mansfield, Ohio.
Chandler & Taylor Company, Indianapolis, Ind.
Frick Company, Waynesboro, Pa.
The Frost Manufacturing Company, Galesburg, Ill.
Heilman Machine Works, Evansville, Ind.
Kroeschell Brothers Company, Chicago, Ill.
John Mohr & Sons, Chicago, Ill.
Ruemmeli-Dawley Manufacturing Company, St. Louis, Mo.
J. S. Schofield's Sons Company, Macon, Ga.
John E. Thropp's Sons Co., Trenton, N. J.

218—BOILERS, FLUE, RETURN FLUE, CORNISH, ETC.

Allis-Chalmers Company, Chicago, Ill.
Atlas Engine Works, Indianapolis, Ind.
Bigelow Company, New Haven, Conn.
Blymyer Iron Works Company, Cincinnati, Ohio.
Broomell, Schmidt & Steacy Company, York, Pa.
The Brownell Company, Dayton, Ohio.
A. S. Cameron Steam Pump Works, New York.
E. J. Codd Company, Baltimore, Md.
The J. D. Connell Iron Works, New Orleans, La.
Continental Gin Company, Inc., Birmingham, Ala.
The C. & G. Cooper Company, Mount Vernon, Ohio.
The C. H. Dutton Company, Kalamazoo, Mich.
Farrar & Trefts, Buffalo, N. Y.
Fulton Engine Works, Los Angeles, Cal.
The Griffith & Wedge Company, Zanesville, Ohio.
James G. Heggie, Joliet, Ill.
Kroeschell Brothers Company, Chicago, Ill.
James Lappan Manufacturing Company, Pittsburg, Pa.
Lookout Boiler and Manufacturing Company, Chattanooga, Tenn.
John Mohr & Sons, Chicago, Ill.
R. S. Newbold & Son Company, Norristown, Pa.
The Platt Iron Works Company, Dayton, Ohio.
The Portland Company, Portland, Me.
Quintard Iron Works Company, New York.
J. S. Schofield's Sons Company, Macon, Ga.
John E. Thropp's Sons Co., Trenton, N. J.
Tippett & Wood, Phillipsburg, N. J.
The Titusville Iron Company, Titusville, Pa.
Variety Iron Works Company, Cleveland, Ohio.

219—BOILERS, GREENHOUSE.

Kroeschell Brothers Company, Chicago, Ill.

220—BOILERS, HOUSE HEATING.

American Foundry and Furnace Company, Bloomington, Ill.
American Radiator Company, Chicago, Ill.
Abram Cox Stove Company, Philadelphia, Pa.
The Fuller-Warren Company, Milwaukee, Wis.
Fuller & Warren Company, Troy, N. Y.
Illinois Malleable Iron Company, Chicago, Ill.
Kroeschell Brothers Company, Chicago, Ill.
J. L. Mott Iron Works, New York.
National Pipe Bending Company, New Haven, Conn.
New York Central Iron Works Company, Geneva, N. Y.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
Isaac A. Sheppard & Co., Philadelphia, Pa.
Smith & Anthony Company, Boston, Mass.
The H. B. Smith Company, Westfield, Mass.
United States Heater Company, Detroit, Mich.

221—BOILERS, MARINE.

Almy Water Tube Boiler Company, Providence, R. I.
Atlantic Works, East Boston, Mass.
Atlas Engine Works, Indianapolis, Ind.
John Brennan & Co., Inc., Detroit, Mich.
Chicago Ship Building Company, Chicago, Ill.
E. J. Codd Company, Baltimore, Md.
The J. D. Connell Iron Works, New Orleans, La.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Detroit Shipbuilding Company, Detroit, Mich.
Farrar & Trefts, Buffalo, N. Y.
Gas Engine and Power Company and Charles L. Seabury & Co., New York.
The Johnson Iron Works, Limited, New Orleans, La.
King Iron Works, Buffalo, N. Y.
Moran Bros. Company, Seattle, Wash.
New York Ship Building Company, Camden, N. J.
The Portland Company, Portland, Me.
The Puget Sound Iron and Steel Works, Tacoma, Wash.
Pusey & Jones Company, Wilmington, Del.
Quintard Iron Works Company, New York.
Racine Boat Manufacturing Company, Muskegon, Mich.
James Rees & Sons Company, Pittsburg, Pa.
Ruemmeli-Dawley Manufacturing Company, St. Louis, Mo.
John E. Thropp's Sons Co., Trenton, N. J.
Willamette Iron and Steel Works, Portland, Ore.

222—BOILERS, NAPHTHA.

Farrar & Trefts, Buffalo, N. Y.
Gas Engine and Power Company and Charles L. Seabury & Co., New York

223—BOILERS, PETROLEUM.

John Brennan & Co., Inc., Detroit, Mich.

224—BOILERS, PORTABLE.

Almy Water Tube Boiler Company, Providence, R. I.
American Locomotive Company, New York.
Atlas Engine Works, Indianapolis, Ind.
John Brennan & Co., Inc., Detroit, Mich.
Thomas Carlin's Sons Company, Allegheny, Pa.

224—BOILERS, PORTABLE—Continued.

Chandler & Taylor Company, Indianapolis, Ind.
Climax Road Machine Company, Marathon, N. Y.
The C. H. Dutton Company, Kalamazoo, Mich.
Erie City Iron Works, Erie, Pa.
A. B. Farquhar & Co., New York.
Farrar & Trefts, Buffalo, N. Y.
Harrison Safety Boiler Works, Philadelphia, Pa.
Jackson & Church Company, Saginaw, Mich.
Keystone Driller Company, Beaver Falls, Pa.
Lidgerwood Manufacturing Company, New York.
New York Central Iron Works Company, Geneva, N. Y.
Oil Well Supply Company, Pittsburg, Pa.
Petroleum Iron Works Company, Washington, Pa.
Silver Manufacturing Company, Salem, Ohio.
Washington Iron Works Company, Seattle, Wash.

225—BOILERS, RANGE.

E. B. Badger & Sons Company, Boston, Mass.
L. O. Koven & Brother, New York.
Smith & Anthony Company, Boston, Mass.
John Trageser Steam Copper Works, New York.
L. Wolff Manufacturing Company, Chicago, Ill.

226—BOILERS, TUBULAR.

Allis-Chalmers Company, Chicago, Ill.
American Locomotive Company, New York.
American Radiator Company, Chicago, Ill.
Atlantic Works, East Boston, Mass.
Atlas Engine Works, Indianapolis, Ind.
The Aultman & Taylor Machinery Company, Mansfield, Ohio.
The Bass Foundry and Machine Company, Fort Wayne, Ind.
Bigelow Company, New Haven, Conn.
Blymyer Iron Works Company, Cincinnati, Ohio.
John Brennan & Co., Inc., Detroit, Mich.
Broomell, Schmidt & Steacy Company, York, Pa.
The Brownell Company, Dayton, Ohio.
A. S. Cameron Steam Pump Works, New York.
Thomas Carlin's Sons Company, Allegheny, Pa.
Chandler & Taylor Company, Indianapolis, Ind.
E. J. Codd Company, Baltimore, Md.
The J. D. Connell Iron Works, New Orleans, La.
Continental Gin Company, Inc., Birmingham, Ala.
The C. & G. Cooper Company, Mount Vernon, Ohio.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Christopher Cunningham, Brooklyn, N. Y.
The C. H. Dutton Company, Kalamazoo, Mich.
Erie City Iron Works, Erie, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
A. B. Farquhar & Co., New York.
Farrar & Trefts, Buffalo, N. Y.
Frick Company, Waynesboro, Pa.
The Frost Manufacturing Company, Galesburg, Ill.
Fulton Engine Works, Los Angeles, Cal.
The Griffith & Wedge Company, Zanesville, Ohio.
Harrisburg Manufacturing and Boiler Company, Harrisburg, Pa.
James G. Heggie, Joliet, Ill.
Heilman Machine Works, Evansville, Ind.

226—BOILERS, TUBULAR—Continued.

The Houston, Stanwood & Gamble Company, Cincinnati, Ohio.
Jackson & Church Company, Saginaw, Mich.
Kroeschell Brothers Company, Chicago, Ill.
James Lappan Manufacturing Company, Pittsburg, Pa.
James Leffel & Co., Springfield, Ohio.
Lidgerwood Manufacturing Company, New York.
Logan Iron Works, Brooklyn, N. Y.
Lombard Iron Works and Supply Company, Augusta, Ga.
Lookout Boiler and Manufacturing Company, Chattanooga, Tenn.
John Mohr & Sons, Chicago, Ill.
New York Central Iron Works Company, Geneva, N. Y.
R. S. Newbold & Son Company, Norristown, Pa.
Petroleum Iron Works Company, Washington, Pa.
The Platt Iron Works Company, Dayton, Ohio.
The Portland Company, Portland, Me.
Quintard Iron Works Company, New York.
James Rees & Sons Company, Pittsburg, Pa.
Ruemmeli-Dawley Manufacturing Company, St. Louis, Mo.
J. S. Schofield's Sons Company, Salem, Ohio.
Sinker-Davis Company, Indianapolis, Ind.
John E. Thropp's Sons Co., Trenton, N. J.
Tippett & Wood, Phillipsburg, N. J.
The Titusville Iron Company, Titusville, Pa.
Variety Iron Works Company, Cleveland, Ohio.
Henry Vogt Machine Company, Louisville, Ky.
Vulcan Iron Works, Wilkes-Barre, Pa.
Washington Iron Works Company, Seattle, Wash.
York Manufacturing Company, York, Pa.

227—BOILERS, WATER TUBE.

Almy Water Tube Boiler Company, Providence, R. I.
Atlas Engine Works, Indianapolis, Ind.
The Aultman & Taylor Machinery Company, Mansfield, Ohio.
The Bass Foundry and Machine Company, Fort Wayne, Ind.
Broomell, Schmidt & Steacy Company, York, Pa.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Erie City Iron Works, Erie, Pa.
Harrisburg Manufacturing and Boiler Company, Harrisburg, Pa.
James Lappan Manufacturing Company, Pittsburg, Pa.
John Mohr & Sons, Chicago, Ill.
Quintard Iron Works Company, New York.
The Stirling Company, Chicago, Ill.
Henry Vogt Machine Company, Louisville, Ky.
Wickes Brothers, Saginaw, Mich.

228—BOLSTERS, CAR BODY AND TRUCK.

Benjamin Atha & Co., Newark, N. J.
Bettendorf Axle Company, Davenport, Iowa.
Chicago Railway Equipment Company, Chicago, Ill.
Erie Car Works, Erie, Pa.
Simplex Railway Appliance Company, Hammond, Ind.

229—BOLTERS AND GRADERS FOR FLOUR.

Barnard & Leas Manufacturing Company, Moline, Ill.
The Case Manufacturing Company, Columbus, Ohio.
Huntley Manufacturing Company, Silver Creek, N. Y.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.

229—BOLTERS AND GRADERS FOR FLOUR—Continued.

Nordyke & Marmon Company, Indianapolis, Ind.
Richmond City Mill Works, Richmond, Ind.
Sprout, Waldron & Co., Muncy, Pa.
The Wolf Company, Chambersburg, Pa.

230—BOLTS AND NUTS.

Aetna Nut Company, Southington, Conn.
American Iron and Steel Manufacturing Company, Lebanon, Pa.
Benicia Iron Works, Benicia, Cal.
Brass Goods Manufacturing Company, Brooklyn, N. Y.
Columbus Bolt Works, Columbus, Ohio.
Continental Bolt and Iron Works, Chicago, Ill.
Detroit Screw Works, Detroit, Mich.
Graham Nut Company, Allegheny, Pa.
Hartford Machine Screw Company, Hartford, Conn.
William H. Haskell Manufacturing Company, Pawtucket, R. I.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Illinois Steel Company, Chicago, Ill.
Judson Manufacturing Company, San Francisco, Cal.
Kirk-Latty Manufacturing Company, Cleveland, Ohio.
The Lamson & Sessions Company, Cleveland, Ohio.
Merritt & Co., Inc., Philadelphia, Pa.
Michigan Bolt and Nut Works, Detroit, Mich.
National Screw and Tack Company, Cleveland, Ohio.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Oliver Iron and Steel Company, Pittsburg, Pa.
Peck, Stow & Wilcox Company, Southington, Conn.
Pittsburg Forge and Iron Company, Pittsburg, Pa.
Pittsburgh Manufacturing Company, Pittsburg, Pa.
Pittsburg Screw and Bolt Company, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.
Scranton Bolt and Nut Company, Scranton, Pa.
J. H. Sessions & Son, Bristol, Conn.
Upson Nut Company, Cleveland, Ohio.
Wilcox, Crittenden & Co., Middletown, Conn.

231—BOLTS, BRASS AND COPPER.

Ansonia Brass and Copper Company, New York.
Coe Brass Manufacturing Company, Torrington, Conn.
Michigan Bolt and Nut Works, Detroit, Mich.

232—BOLTS, DOOR.

P. & F. Corbin, New Britain, Conn.
John H. Graham & Co., New York.
Griffin Manufacturing Company, Erie, Pa.
National Novelty Corporation, New York.
Sargent & Co., New York.
Stanley Works, New Britain, Conn.

233—BOLTS, STOVE AND TIRE.

Columbus Bolt Works, Columbus, Ohio.
Graham Nut Company, Allegheny, Pa.
The Lamson & Sessions Company, Cleveland, Ohio.
National Screw and Tack Company, Cleveland, Ohio.
Oliver Iron and Steel Company, Pittsburg, Pa.
Upson Nut Company, Cleveland, Ohio.

234—BONDS, ENGRAVED AND LITHOGRAPHED.

American Lithographic Company, New York.
Ketterlinus Lithographic Manufacturing Company, Philadelphia, Pa.
Strobridge Lithographing Company, Cincinnati, Ohio.

235—BOOK STACKS FOR LIBRARIES.

Library Bureau, Boston, Mass.

236—BOOKBINDERS.

R. R. Donnelley Sons Company, Chicago, Ill.
Eichbaum Company, Pittsburg, Pa.
Grand Rapids Engraving Company, Grand Rapids, Mich.
The Henneberry Company, Chicago, Ill.
Franklin Hudson Publishing Company, Kansas City, Mo.
William G. Johnston & Co., Pittsburg, Pa.
Pittsburgh Printing Company, Pittsburg, Pa.
The Richmond & Backus Company, Detroit, Mich.
Riverside Printing Company, Milwaukee, Wis.
Seemann, Peters & Heim, Saginaw, Mich.
Thomas Stationery Manufacturing Company, Springfield, Ohio.
Harris Wolff, New York.

237—BOOKCASES.

W. D. Allison Company, Indianapolis, Ind.
Library Bureau, Boston, Mass.
The Macey-Wernicke Company, Ltd., Grand Rapids, Mich.
Royal Furniture Company, Grand Rapids, Mich.
Skandia Furniture Company, Rockford, Ill.
The Udell Works, Indianapolis, Ind.

238—BOOKCASES, SECTIONAL.

Feige Desk Company, Saginaw, Mich.
Globe-Wernicke Company, Cincinnati, Ohio.
Library Bureau, Boston, Mass.
The Macey-Wernicke Company, Ltd., Grand Rapids, Mich.
Wabash Cabinet Company, Wabash, Ind.

239—BOOKS, BLANK.

J. C. Blair Company, Huntingdon, Pa.
William B. Burford, Indianapolis, Ind.
Buxton & Skinner Stationery Company, St. Louis, Mo.
Courier Journal Job Printing Co., Louisville, Ky.
Eichbaum Company, Pittsburg, Pa.
Garden City Tablet Company, Elkhart, Ind.
Gregory, Mayer & Thom Company, Detroit, Mich.
Franklin Hudson Publishing Company, Kansas City, Mo.
William G. Johnston & Co., Pittsburg, Pa.
William Mann Company, Philadelphia, Pa.
Marshall & Bruce Company, Nashville, Tenn.
A. B. Morse Company, St. Joseph, Mo.
Reynolds & Reynolds Company, Dayton, Ohio.
The Richmond & Backus Company, Detroit, Mich.
Saugerties Manufacturing Company, Saugerties, N. Y.
Seemann, Peters & Heim, Saginaw, Mich.
Shea Smith & Co., Chicago, Ill.
Thornton-Levey Company, Indianapolis, Ind.
The Weis Manufacturing Company, Toledo, Ohio.

240—BOOKS, CHILDREN'S.

W. B. Conkey Company, Chicago, Ill.
McLoughlin Brothers, New York.

241—BOOKS, COPYING.

A. R. Barnes & Co., Chicago, Ill.
William Mann Company, Philadelphia, Pa.
Reynolds & Reynolds Company, Dayton, Ohio.
Shea Smith & Co., Chicago, Ill.
F. H. Whittelsey, Windsor Locks, Conn.

242—BOOKS, SCIENTIFIC AND TECHNICAL.

William B. Burford, Indianapolis, Ind.
W. B. Conkey Company, Chicago, Ill.
The Crowell Publishing Company, Springfield, Ohio.
R. R. Donnelley Sons Company, Chicago, Ill.
Evening Wisconsin Company, Printing Department, Milwaukee, Wis.
Grand Rapids Engraving Company, Grand Rapids, Mich.
Hill Publishing Company, New York.
Franklin Hudson Publishing Company, Kansas City, Mo.
McGraw Publishing Company, New York.
Marshall & Bruce Company, Nashville, Tenn.
The Jno. J. Mitchell Company, New York.
A. B. Morse Company, St. Joseph, Mo.
Rand, McNally & Co., Chicago, Ill.
D. A. Tompkins Company, Charlotte, N. C.
The University Press, Cambridge, Mass.
The Thomas J. Walton Printing Company, Salem, Ohio.
The Werner Company, Akron, Ohio.
West Publishing Company, St. Paul, Minn.

243—BOOT AND SHOE POLISH.

(See Polish, Shoe; also Blacking, Shoe.)

244—BOOTS AND SHOES.

C. H. Aborn Company, Lynn, Mass.
C. E. Aldrich & Co., Boston, Mass.
Bartels, Thelen & Co., Boston, Mass.
A. J. Bates & Co., New York.
Bradley & Metcalf Company, Milwaukee, Wis.
Brennan & White, Brooklyn, N. Y.
Buckingham & Hecht, San Francisco, Cal.
B. E. Cole & Co., Boston, Mass.
The Commonwealth Shoe and Leather Company, Boston, Mass.
J. & T. Cousins, Brooklyn, N. Y.
G. P. Crafts, Manchester, N. H.
Crafts, Harrington & Co., Brockton, Mass.
John H. Cross, Lynn, Mass.
Lewis A. Crossett, Inc., North Abington, Mass.
The Cummings Company, Worcester, Mass.
Curtis & Jones Company, Reading, Pa.
Cushman & Hebert, Lynn, Mass.
The Davis Boot and Shoe Company, Boston, Mass.
The Drew-Selby Company, Portsmouth, Ohio.
Dugan & Hudson Company, Rochester, N. Y.
Dunn & McCarthy, Auburn, N. Y.
Charles A. Eaton Company, Brockton, Mass.
Endicott Johnson Company, Lestershire, N. Y.
Estabrook-Anderson Shoe Company, Boston, Mass.
The Excelsior Shoe Company, Portsmouth, Ohio.
Faunce & Spinney, Lynn, Mass.
Fiebrich Fox Hilker Shoe Company, Racine, Wis.
Fred F. Field Company, Brockton, Mass.

244—BOOTS AND SHOES—Continued.

P. A. Field Shoe Company, Boston, Mass.
Foot, Schulze & Co., St. Paul, Minn.
Charles K. Fox, Haverhill, Mass.
John A. Frye Shoe Company, Marlboro, Mass.
Gale Shoe Manufacturing Company, Haverhill, Mass.
The H. C. Godman Company, Columbus, Ohio.
Hazen B. Goodrich & Co., Haverhill, Mass.
Hervey E. Guptill, Haverhill, Mass.
Helmers, Bettmann & Co., Cincinnati, Ohio.
Hennessey & Thomson, Lynn, Mass.
Hamilton-Brown Shoe Company, St. Louis, Mo.
Harney Bros., Lynn, Mass.
Harrisburg Shoe Manufacturing Company, Harrisburg, Pa.
Hilliard & Tabor, Haverhill, Mass.
The S. H. Howe Shoe Company, Boston, Mass.
F. M. Hoyt Shoe Company, Manchester, N. H.
International Shoe Company, Boston, Mass.
Johnston & Murphy, Newark, N. J.
Julian & Kokenge Company, Cincinnati, Ohio.
Preston B. Keith Shoe Company, Campello, Mass.
John Kelly, Inc., Rochester, N. Y.
Alfred Kimball Shoe Company, Lawrence, Mass.
Krippendorf-Dittmann Company, Cincinnati, Ohio.
Krohn, Fechheimer & Co., Cincinnati, Ohio.
W. C. Lewis Shoe Company, Haverhill, Mass.
Lindner Shoe Company, Carlisle, Pa.
A. E. Little & Co., Lynn, Mass.
Luddy & Currier, Lynn, Mass.
McCord, Harlow Shoe Company, St. Joseph, Mo.
W. H. McElwain Company, Boston, Mass.
A. E. Mann & Co., Boston, Mass.
F. Mayer Boot and Shoe Company, Milwaukee, Wis.
Moloney Brothers Company, Rochester, N. Y.
A. E. Nettleton, Syracuse, N. Y.
M. A. Packard Company, Brockton, Mass.
N. R. Packard & Co., Brockton, Mass.
Perkins, Linscott & Co., Boston, Mass.
Pingree Company, Detroit, Mich.
Thomas G. Plant Company, Boston, Mass.
Isaac Prouty & Co., Boston, Mass.
E. P. Reed & Co., Rochester, N. Y.
B. Rosenberg & Sons, New Orleans, La.
T. S. Ruddock & Son, Haverhill, Mass.
John W. Russ Company, Haverhill, Mass.
Geo. G. Snow Company, Brockton, Mass.
W. W. Spaulding & Co., Haverhill, Mass.
The Stetson Shoe Company, South Weymouth, Mass.
J. E. Tilt Shoe Company, Chicago, Ill.
Walter H. Tuttle Company, Lynn, Mass.
Utz & Dunn, Rochester, N. Y.
Watson Shoe Company, Lynn, Mass.
Welch & Landregan, Lynn, Mass.
Williams, Clark & Co., Lynn, Mass.
J. H. Winchell & Co., Haverhill, Mass.
Wolf Bros. & Co., Cincinnati, Ohio.
Wright, Peters & Co., Rochester, N. Y.

245—BOOTS AND SHOES, RUBBER.

Banner Rubber Company, St. Louis, Mo.
Hood Rubber Company, Boston, Mass.
Mishawaka Woolen Manufacturing Company, Mishawaka, Ind.

246—BORAX.

The Denver Fire Clay Company, Denver, Col.
E. C. Hazard & Co., New York.
Franklin H. Kalbfleisch Company, New York.
Charles Pfizer & Co., New York.

247—BORERS, BUNGHOLE.

Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.
John S. Fray & Co., Bridgeport, Conn.
United States Bung Manufacturing Company, Brooklyn, N. Y.

248—BORING BARS, CYLINDER, PORTABLE.

United States Engine Company, Parkersburg, W. Va.

249—BOTTLE CAPS.

Charles Boldt Glass Company, Cincinnati, Ohio.
Hazel-Atlas Glass Company, Wheeling, W. Va.
Lehmaier, Schwartz & Co., New York.

250—BOTTLE CORKERS.

(See Machines, Bottling.)

251—BOTTLE COVERS.

Charles Boldt Glass Company, Cincinnati, Ohio.
Excelsior Wrapper Company, Sheboygan, Wis.
Illinois-Pacific Glass Company, San Francisco, Cal.
The J. W. Sefton Manufacturing Company, Chicago, Ill.
The Thompson & Norris Company, Brooklyn, N. Y.

252—BOTTLE STOPPERS, METAL.

Hazel-Atlas Glass Company, Wheeling, W. Va.
Hero Fruit Jar Company, Philadelphia, Pa.
William Vogel & Brothers, Brooklyn, N. Y.
A. H. Wirz, Philadelphia, Pa.

253—BOTTLE WASHERS.

S. S. Wenzell Machine Company, Philadelphia, Pa.

254—BOTTLES.

Ball Brothers Glass Manufacturing Company, Muncie, Ind.
Charles Boldt Glass Company, Cincinnati, Ohio.
Cumberland Glass Manufacturing Company, Bridgeton, N. J.
D. O. Cunningham Glass Company, Pittsburg, Pa.
The Fairmount Glass Works, Fairmount, Ind.
C. L. Flaccus Glass Company, Pittsburg, Pa.
William Franzen & Son, Inc., Milwaukee, Wis.
Hazel-Atlas Glass Company, Wheeling, W. Va.
Illinois Glass Company, Alton, Ill.
Illinois-Pacific Glass Company, San Francisco, Cal.
The More-Jonas Glass Company, Bridgeton, N. J.
North Baltimore Bottle Glass Company, Terre Haute, Ind.
Poughkeepsie Glass Works, Poughkeepsie, N. Y.
Streator Bottle and Glass Company, Streator, Ill.
Swindell Brothers, Baltimore, Md.
The Uniontown Flint Glass Company, Uniontown, Pa.
Whitall-Tatum Company, New York.

255—BOTTLES, HIGH PRESSURE.

D. O. Cunningham Glass Company, Pittsburg, Pa.
William Franzen & Son, Inc., Milwaukee, Wis.
North Baltimore Bottle Glass Company, Terre Haute, Ind.
Poughkeepsie Glass Works, Poughkeepsie, N. Y.
Streator Bottle and Glass Company, Streator, Ill.

256—BOTTLES, NURSING.

Swindell Brothers, Baltimore, Md.

257—BOTTLES, RUBBER.

Davidson Rubber Company, Boston, Mass.
Davol Rubber Company, Providence, R. I.
B. F. Goodrich Company, Akron, Ohio.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Tyer Rubber Company, Andover, Mass.

258—BOWLING ALLEYS AND SUPPLIES.

The Brunswick-Balke-Collender Company, New York.
Crawford, McGregor & Canby Company, Dayton, Ohio.
F. X. Ganter, Baltimore, Md.
National Novelty Corporation, New York.
B. A. Stevens, Toledo, Ohio.

259—BOX STRAPS.

(See Fasteners, Box; also Hoops, Iron and Steel.)

260—BOXES, CASH.

Herring-Hall-Marvin Safe Company, New York.
Miller Lock Company, Philadelphia, Pa.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.
Yale & Towne Manufacturing Company, New York.
York Safe and Lock Company, York, Pa.

261—BOXES, CIGAR AND TOBACCO.

Mengel Box Company, Louisville, Ky.
The Mueller & Son Company, Milwaukee, Wis.

262—BOXES, COLLAR AND CUFF.

John Mehl & Co., Jersey City, N. J.
C. F. Rumpp & Sons, Philadelphia, Pa.

263—BOXES, FEED, STEEL.

A. Buch's Sons Company, Elizabethtown, Pa.
W. J. Clark Company, Salem, Ohio.
Kelly Foundry and Machine Company, Goshen, Ind.
J. L. Mott Iron Works, New York.
A. L. Swett Iron Works, Medina, N. Y.

264—BOXES, FOLDING PAPER.

Brown & Bailey Company, Philadelphia, Pa.
Commercial Envelope and Box Company, Binghamton, N. Y.
The Scharf Tag, Label and Box Company, Ypsilanti, Mich.
The J. W. Sefton Manufacturing Company, Chicago, Ill.
The Thompson & Norris Company, Brooklyn, N. Y.
United States Printing Company, Cincinnati, Ohio.
C. F. Wolff & Son, Chicago, Ill.

265—BOXES, HARDWOOD.

Elgin Butter Tub Company, Elgin, Ill.
Paepcke-Leicht Lumber Company, Chicago, Ill.
Rathborne, Hair & Ridgway Company, Chicago, Ill.
F. M. West Box Company, Springfield, Mass.

266—BOXES, LOCK.

Cleveland Wire Spring Company, Cleveland, Ohio.
Corbin Cabinet Lock Company, New Britain, Conn.
Hall's Safe Company, Cincinnati, Ohio.
The Miller Lock Company, Philadelphia, Pa.
Yale & Towne Manufacturing Company, New York.

267—BOXES, PACKING.

Atwood Brothers, East Whitman, Mass.
Atwood & McManus, Chelsea, Mass.
Charles Boldt Glass Company, Cincinnati, Ohio.
Louis Bossert & Son, Brooklyn, N. Y.
John Boyle Company, Baltimore, Md.
Columbia Box Company, St. Louis, Mo.
J. H. Duker Box Company, Baltimore, Md.
Henry Gaus & Sons Manufacturing Company, St. Louis, Mo.
Grays Harbor Commercial Company, San Francisco, Cal.
The Hallack & Howard Lumber Company, Denver, Col.
Hightower Box and Tank Company, Atlanta, Ga.
Mengel Box Company, Louisville, Ky.
Mershon, Schuette, Parker & Co., Saginaw, Mich.
Montgomery Brothers & Co., Buffalo, N. Y.
The Mueller & Son Company, Milwaukee, Wis.
The Ohio Cooperage Company, Cleveland, Ohio.
Paepcke-Leicht Lumber Company, Chicago, Ill.
George G. Page Box Company, Cambridge, Mass.
Joseph T. Pearson, Philadelphia, Pa.
Rathborne, Hair & Ridgway Company, Chicago, Ill.
F. M. West Box Company, Springfield, Mass.

268—BOXES, PAPER.

(See Cartons.)

269—BOXES, PILL AND POWDER.

E. N. Rowell Company, Batavia, N. Y.

270—BOXES, SAFE DEPOSIT.

Hall's Safe Company, Cincinnati, Ohio.
Herring-Hall-Marvin Safe Company, New York.
Miller Lock Company, Philadelphia, Pa.
York Safe and Lock Company, York, Pa.

271—BOXES, TIN.

William Vogel & Brothers, Brooklyn, N. Y.

272—BRACES, BIT.

John S. Fray & Co., Bridgeport, Conn.
Goodell-Pratt Company, Greenfield, Mass.
John H. Graham & Co., New York.
C. E. Jennings & Co., New York.
National Novelty Corporation, New York.
Piqua Handle and Manufacturing Company, Piqua, Ohio.
Rockford Bit Company, Kokomo, Ind.
Stanley Rule and Level Company, New Britain, Conn.

273—BRACKETS, FOLDING.

Griffin Manufacturing Company, Erie, Pa.
The Niagara Clip Company, New York.
Stanley & Patterson, Inc., New York.
The Weis Manufacturing Company, Toledo, Ohio.

274—BRACKETS, LAMP.

Central Manufacturing Company, Chattanooga, Tenn.
National Novelty Corporation, New York.
Stover Manufacturing Company, Freeport, Ill.

275—BRACKETS, SHELF.

P. & F. Corbin, New Britain, Conn.
Grand Rapids Hand Screw Company, Grand Rapids, Mich.
Griffin Manufacturing Company, Erie, Pa.
Reading Hardware Company, Reading, Pa.
Russell & Erwin Manufacturing Company, New Britain, Conn.
Sargent & Co., New York.
Stanley Works, New Britain, Conn.
Stover Manufacturing Company, Freeport, Ill.
J. B. Wise, Watertown, N. Y.
Wrightsville Hardware Company, Wrightsville, Pa.

276—BRACKETS, WALL.

Charles Bond, Philadelphia, Pa.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Michigan Bolt and Nut Works, Detroit, Mich.
Nordyke & Marmon Company, Indianapolis, Ind.

277—BRAIDS, ELASTIC.

The American Mills Company, Waterbury, Conn.

278—BRAIDS, MOHAIR AND SILK.

The American Mills Company, Waterbury, Conn.
A. B. Fiedler & Sons, Chicago, Ill.
Fletcher Manufacturing Company, Providence, R. I.
A. H. Rice & Co., Pittsfield, Mass.
Vogt Manufacturing and Coach Lace Company, Rochester, N. Y.

279—BRAIDS, WORSTED.

The American Mills Company, Waterbury, Conn.
A. B. Fiedler & Sons, Chicago, Ill.
S. B. & B. W. Fleisher, Inc., Philadelphia, Pa.
A. H. Rice & Co., Pittsfield, Mass.

280—BRAKE BEAMS, RAILWAY.

Chicago Railway Equipment Company, Chicago, Ill.
Dayton Malleable Iron Company, Dayton, Ohio.
St. Louis Car Company, St. Louis, Mo.
Simplex Railway Appliance Company, Hammond, Ind.

281—BRAKE HANDLES, RATCHET.

Dayton Manufacturing Company, Dayton, Ohio.
St. Louis Car Company, St. Louis, Mo.

282—BRAKE SHOES.

The S. Jarvis Adams Company, Pittsburg, Pa.
American Brake Shoe and Foundry Company, New York.
Barbour Stockwell Company, Cambridgeport, Mass.
St. Louis Car Company, St. Louis, Mo.

283—BRAKE WHEELS.

Dayton Malleable Iron Company, Dayton, Ohio.

284—BRAKES, AIR.

National Electric Company, Milwaukee, Wis.
Westinghouse Air Brake Company, Pittsburg, Pa.

285—BRAKES, BICYCLE COASTER.

Eclipse Machine Company, Elmira, N. Y.
John H. Graham & Co., New York.
New Departure Manufacturing Company, Bristol, Conn.

286—BRAKES, ELECTRO-MAGNETIC.

Triumph Electric Company, Cincinnati, Ohio.
Westinghouse Air Brake Company, Pittsburg, Pa.

287—BRAKES, POWER.

Peckham Manufacturing Company, New York.

288—BRANDY.

California Wine Association, San Francisco, Cal.
Freiberg & Workum, Cincinnati, Ohio.

289—BRASS RODS.

Ansonia Brass and Copper Company, New York.
Bridgeport Brass Company, Bridgeport, Conn.
Coe Brass Manufacturing Company, Torrington, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Manhattan Brass Company, New York.
The Plume & Atwood Manufacturing Company, New York.
Rome Brass and Copper Company, Rome, N. Y.
Waterbury Brass Company, Waterbury, Conn.

290—BRASS, SHEET.

Ansonia Brass and Copper Company, New York.
Benedict & Burnham Manufacturing Company, Waterbury, Conn.
Bridgeport Brass Company, Bridgeport, Conn.
Coe Brass Manufacturing Company, Torrington, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Manhattan Brass Company, New York.
The Plume & Atwood Manufacturing Company, New York.
Rome Brass and Copper Company, Rome, N. Y.
Scovill Manufacturing Company, Waterbury, Conn.
Waterbury Brass Company, Waterbury, Conn.

291—BRASS WORK, ORNAMENTAL.

Manhattan Brass Company, New York.
Milliken Brothers, New York.
J. L. Mott Iron Works, New York.
Quintard Iron Works Company, New York.
Taylor & Dean, Pittsburg, Pa.
W. S. Tyler Company, Cleveland, Ohio.
Yale & Towne Manufacturing Company, New York.

292—BREAKERS, COAL, STONE AND ROCK.

(See also Machinery, Crushing and Pulverizing.)

Climax Road Machine Company, Marathon, N. Y.
George V. Cresson Company, Philadelphia, Pa.
Farrel Foundry and Machine Company, Ansonia, Conn.
Globe Iron Works, Stockton, Cal.

292—BREAKERS, COAL, STONE AND ROCK—Continued.

The Hendrie & Bolthoff Manufacturing and Supply Company, Denver, Col.
Joshua Hendy Machine Works, San Francisco, Cal.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Vulcan Iron Works, San Francisco, Cal.
Vulcan Iron Works, Wilkes-Barre, Pa.
Union Iron Works, Spokane, Wash.
Western Wheeled Scraper Company, Aurora, Ill.

293—BREAKERS, ICE.

Harrison Safety Boiler Works, Philadelphia, Pa.

294—BREWERS' GRAIN.

American Hominy Company, Indianapolis, Ind.
John Gund Brewing Company, La Crosse, Wis.
Miner-Hillard Milling Company, Wilkes-Barre, Pa.
People's Independent Rice Mill Company, Ltd., Crowley, La.
H. W. Rickel & Co., Detroit, Mich.
Suffern, Hunt & Co., Decatur, Ill.
Warner Sugar Refining Company, Waukegan, Ill.

295—BRICK, BUILDING, COMMON.

Alton Paving, Building and Fire Brick Company, Alton, Ill.
The Barr Clay Company, Streator, Ill.
Bessemer Limestone Company, Youngstown, Ohio.
The Columbus Brick and Terra Cotta Company, Columbus, Ohio.
Hydraulic-Press Brick Company, St. Louis, Mo.
Anthony Ittner Brick Company, St. Louis, Mo.
La Follette Coal, Iron and Railway Company, La Follette, Tenn.
Salmen Brick and Lumber Company, Slidell, La.
Washington Brick, Lime and Manufacturing Company, Spokane, Wash.

296—BRICK, CHEMICAL.

American Enamel Brick and Tile Company, New York.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
Robinson Clay Product Company, Akron, Ohio.
Southern Clay Manufacturing Company, Chattanooga, Tenn.

297—BRICK, ENAMELED.

American Enameled Brick and Tile Company, New York.
Bessemer Limestone Company, Youngstown, Ohio.
The Columbus Brick and Terra Cotta Company, Columbus, Ohio.
Gladding, McBean & Co., San Francisco, Cal.
Hydraulic-Press Brick Company, St. Louis, Mo.
Anthony Ittner Brick Company, St. Louis, Mo.
Tiffany Enameled Brick Company, Momence, Ill.

298—BRICK, FIRE.

Alton Paving, Building and Fire Brick Company, Alton, Ill.
American Sewer Pipe Company, Pittsburg, Pa.
Atlanta Terra Cotta Company, Atlanta, Ga.
Cyrus Borgner Company, Philadelphia, Pa.
Christy Fire Clay Company, St. Louis, Mo.
N. Clark & Sons, San Francisco, Cal.
The Denver Fire Clay Company, Denver, Col.
Denver Sewer Pipe and Clay Company, Denver, Col.
W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.
Evens & Howard Fire Brick Company, St. Louis, Mo.
Gladding, McBean & Co., San Francisco, Cal.
Harbison-Walker Refractories Company, Pittsburg, Pa.

298—BRICK, FIRE—Continued.

The Kendrick Promotion Company, Denver, Col.
The Kier Fire Brick Company, Pittsburg, Pa.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
Monmouth Mining and Manufacturing Company, Monmouth, Ill.
Montague & Co., Chattanooga, Tenn.
Myers Clay Manufacturing Company, Toronto, Ohio.
Ostrander Fire Brick Company, Troy, N. Y.
Parker-Russell Mining and Manufacturing Company, St. Louis, Mo.
Robinson Clay Product Company, Akron, Ohio.
Southern Clay Manufacturing Company, Chattanooga, Tenn.
H. Stevens' Sons Company, Macon, Ga.
M. D. Valentine & Brother Company, Woodbridge, N. J.
Washington Brick, Lime and Manufacturing Company, Spokane, Wash.

299—BRICK, HOLLOW.

American Enameled Brick and Tile Company, New York.
Gladding, McBean & Co., San Francisco, Cal.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
National Fire Proofing Company, Pittsburg, Pa.

300—BRICK, PAVING.

Alton Paving, Building and Fire Brick Company, Alton, Ill.
American Sewer Pipe Company, Pittsburg, Pa.
The Barr Clay Company, Streator, Ill.
Bessemer Limestone Company, Youngstown, Ohio.
Denver Sewer Pipe and Clay Company, Denver, Col.
Hydraulic-Press Brick Company, St. Louis, Mo.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
National Fire Proofing Company, Pittsburg, Pa.
Robinson Clay Product Company, Akron, Ohio.
Southern Clay Manufacturing Company, Chattanooga, Tenn.
Washington Brick, Lime and Manufacturing Company, Spokane, Wash.

301—BRICK, PRESSED.

N. Clark & Sons, San Francisco, Cal.
The Columbus Brick and Terra Cotta Company, Columbus, Ohio.
Gladding, McBean & Co., San Francisco, Cal.
Hydraulic-Press Brick Company, St. Louis, Mo.
Anthony Ittner Brick Company, St. Louis, Mo.
The Kendrick Promotion Company, Denver, Col.
National Fire Proofing Company, Pittsburg, Pa.
Salmen Brick and Lumber Company, Ltd., Slidell, La.
Washington Brick, Lime and Manufacturing Company, Spokane, Wash.

302—BRICK, VITRIFIED.

W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.
Gladding, McBean & Co., San Francisco, Cal.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.

303—BRIDGES, IRON AND STEEL.

Berlin Construction Company, Berlin, Conn.
Boston Bridge Works, Inc., Boston, Mass.
Carnegie Steel Company, Pittsburg, Pa.
Chicago Bridge and Iron Works, Chicago, Ill.
Climax Road Machine Company, Marathon, N. Y.
The Converse Bridge Company, Chattanooga, Tenn.
Judson Manufacturing Company, San Francisco, Cal.
A. Lucas & Sons, Peoria, Ill.
The Midland Bridge Company, Kansas City, Mo.

303—BRIDGES, IRON AND STEEL—Continued.

Milliken Brothers, New York.
Minneapolis Steel and Machinery Company, Minneapolis, Minn.
Modern Steel Structural Company, Waukesha, Wis.
New Castle Bridge Company, Indianapolis, Ind.
New England Structural Company, Everett, Mass.
Pennsylvania Steel Company, Philadelphia, Pa.
Puget Sound Bridge and Dredging Company, Seattle, Wash.
The Springfield Bridge and Iron Company, Springfield, Ill.
Variety Iron Works Company, Cleveland, Ohio.
Wisconsin Bridge and Iron Company, Milwaukee, Wis.

304—BRIDGES, SUSPENSION.

A. Leschen & Sons Rope Company, St. Louis, Mo.

305—BRISTLES.

P. R. Mitchell Company, Cincinnati, Ohio.

306—BRISTOL BOARD.

Central Ohio Paper Company, Columbus, Ohio.
Imperial Coating Mills, Kalamazoo, Mich.
Kalamazoo Paper Company, Kalamazoo, Mich.
Mittineague Paper Company, Mittineague, Mass.
Parsons Paper Company, Holyoke, Mass.
B. D. Rising Paper Company, Housatonic, Mass.
Woronoco Paper Company, Woronoco, Mass.
Worthy Paper Company, Mittineague, Mass.

307—BROCADES, COTTON.

Manville Company, Providence, R. I.

308—BROMO-CAFFEINE.

Keasbey & Mattison Company, Ambler, Pa.

309—BROMO SELTZER.

Emerson Drug Company, Baltimore, Md.

310—BRONZE, ALUMINUM.

(See Aluminum-Bronze.)

311—BRONZE ART WORK.

Brown-Ketcham Iron Works, Indianapolis, Ind.
Gorham Manufacturing Company, New York.
The Jennings Brothers Manufacturing Company, Bridgeport, Conn.
Manhattan Brass Company, New York.
Milliken Brothers, New York.
The J. L. Mott Iron Works, New York.
W. H. Mullins, Salem, Ohio.
Philadelphia White Bronze Monument Company, Philadelphia, Pa.
The Standard Company, Chicago, Ill.
Taylor & Dean, Pittsburg, Pa.
W. S. Tyler Company, Cleveland, Ohio.
Jno. Williams, New York.
Yale & Towne Manufacturing Company, New York.

312—BRONZE, MANGANESE.

Ajax Metal Company, Philadelphia, Pa.
Bridgeport Brass Company, Bridgeport, Conn.
Clum & Atkinson, Rochester, N. Y.

312—BRONZE, MANGANESE—Continued.

William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Paul S. Reeves & Son, Philadelphia, Pa.
T. Shriver & Co., New York.

313—BRONZE, PHOSPHOR.

Clum & Atkinson, Rochester, N. Y.
Damascus Bronze Company, Pittsburg, Pa.
Dayton Manufacturing Company, Dayton, Ohio.
Johnson Service Company, Milwaukee, Wis.
Phosphor-Bronze Smelting Company, Ltd., Philadelphia, Pa.
Paul S. Reeves & Son, Philadelphia, Pa.
T. Shriver & Co., New York.

314—BRONZE POWDERS.

Gerstendorfer Brothers, New York.

315—BRONZE, SHEET.

Ansonia Brass and Copper Company, New York.
Bridgeport Brass Company, Bridgeport, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Manhattan Brass Company, New York.
Paul S. Reeves & Son, Philadelphia, Pa.
Waterbury Brass Company, Waterbury, Conn.

316—BRONZE, SPECIAL.

Ajax Metal Company, Philadelphia, Pa.
Ansonia Brass and Copper Company, New York.
Bridgeport Brass Company, Bridgeport, Conn.
Damascus Bronze Company, Pittsburg, Pa.

317—BRONZE, WHITE.

Bridgeport Brass Company, Bridgeport, Conn.
Philadelphia White Bronze Monument Company, Philadelphia, Pa.
Waterbury Brass Company, Waterbury, Conn.

318—BRONZING LIQUIDS.

Gerstendorfer Brothers, New York.
Heath & Milligan Manufacturing Company, Chicago, Ill.

319—BRUISERS, STRAW.

Gaar, Scott & Co., Richmond, Ind.

320—BRUSHES, BOTTLE WASHING.

S. S. Wenzell Machine Company, Philadelphia, Pa.

321—BRUSHES, BRISTLE.

Florence Manufacturing Company, Florence, Mass.
Edward E. Gnichtel, Newark, N. J.
Grand Rapids Brush Company, Grand Rapids, Mich.
Milwaukee Dustless Brush Company, Milwaukee, Wis.
L. B. Prahar, Brooklyn, N. Y.
Wm. A. Tottle & Co., Baltimore, Md.
Webster Company, North Attleboro, Mass.
John L. Whiting & Son Company, Boston, Mass.

322—BRUSHES, CARBON, ELECTRIC.

The Dickey-Sutton Carbon Company, Lancaster, Ohio.
Electrical Manufacturers' Export Company, New York.
National Carbon Company, Cleveland, Ohio.

323—BRUSHES, GRASS (HORSE, SCRUB, ETC.).

Edward E. Gnichtel, Newark, N. J.
Grand Rapids Brush Company, Grand Rapids, Mich.
Milwaukee Dustless Brush Company, Milwaukee, Wis.
Wm. A. Tottle & Co., Baltimore, Md.
John L. Whiting & Son Company, Boston, Mass.

324—BRUSHES, PAINT.

Wm. A. Tottle & Co., Baltimore, Md.
John L. Whiting & Son Company, Boston, Mass.

325—BRUSHES, WIRE.

Edward E. Gnichtel, Newark, N. J.

326—BUCKETS, ELEVATOR AND CONVEYOR.

Avery Stamping Company, Cleveland, Ohio.
Buhl Malleable Company, Detroit, Mich.
Chain Belt Company, Milwaukee, Wis.
W. J. Clark Company, Salem, Ohio.
The Hayward Company, New York.
Jeffrey Manufacturing Company, Columbus, Ohio.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Link-Belt Machinery Company, Chicago, Ill.
McMyler Manufacturing Company, Cleveland, Ohio.
Macbeth Iron Company, Cleveland, Ohio.
Nordyke & Marmon Company, Indianapolis, Ind.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
The Vulcan Iron Works Company, Toledo, Ohio.

327—BUCKETS, GALVANIZED, WATER.

The W. J. Clark Company, Salem, Ohio.
F. H. Lawson Company, Cincinnati, Ohio.

328—BUCKLES.

B. Conlan & Co., Newark, N. J.
Covert Manufacturing Company, West Troy, N. Y.
Eberhard Manufacturing Company, Cleveland, Ohio.
Elbel Company, Canton, Ohio.
Hervey E. Guptill, Haverhill, Mass.
R. C. Jenkinson & Co., Newark, N. J.
A. A. Marks, New York.
The Ohio Brass Company, Mansfield, Ohio.
L. B. Prahar, Brooklyn, N. Y.
Spencer Wire Company, Worcester, Mass.
Traut & Hine Manufacturing Company, New Britain, Conn.

329—BUGGIES.

American Carriage Company, Cincinnati, Ohio.
H. H. Babcock Company, Watertown, N. Y.
S. E. Baily & Co., Lancaster, Pa.
Banner Buggy Company, St. Louis, Mo.
Barnett Carriage Company, Cincinnati, Ohio.
Columbia Carriage Company, Hamilton, Ohio.
The Columbus Carriage and Harness Company, Columbus, Ohio.
Elkhart Carriage and Harness Manufacturing Company, Elkhart, Ind.
The Flint Wagon Works, Flint, Mich.
W. S. Frazier & Co., Aurora, Ill.
Fuller Buggy Company, Jackson, Mich.
Hassett & Hodge, Amesbury, Mass.

329—BUGGIES—Continued.

Hercules Buggy Company, Evansville, Ind.
H. E. Holmes & Co., San Francisco, Cal.
James & Mayer Buggy Company, Lawrenceburg, Ind.
W. H. Kiblinger Company, Auburn, Ind.
La Porte Carriage Company, La Porte, Ind.
Lilly Carriage Company, Memphis, Tenn.
The Martin Carriage Works, York, Pa.
Michigan Buggy Company, Kalamazoo, Mich.
Milburn Wagon Company, Toledo, Ohio.
H. A. Moyer, Syracuse, N. Y.
Parry Manufacturing Company, Indianapolis, Ind.
Racine-Sattley Company, Springfield, Ill.
Rock Island Buggy Company, Rock Island, Ill.
Safety Buggy Company, Lancaster, Pa.
Schubert Bros. Gear Company, Oneida, N. Y.
R. D. Scott & Co., Pontiac, Mich.
Sechler & Co., Cincinnati, Ohio.
D. M. Sechler Carriage Company, Moline, Ill.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
The Union City Carriage Manufacturing Company, Union City, Ind.
Velie Carriage Company, Moline, Ill.
Westcott Carriage Company, Richmond, Ind.
Winona Wagon Company, Winona, Minn.

330—BUILDINGS, BRICK AND STONE.

Milliken Brothers, New York.
The Nicola Building Company, Pittsburg, Pa.
The F. A. Requarth Company, Dayton, Ohio.
C. A. Warren & Co., San Francisco, Cal.
A. & S. Wilson Company, Pittsburg, Pa.

331—BUILDINGS, IRON AND STEEL.

American Foundry and Furnace Company, Bloomington, Ill.
Berlin Construction Company, Berlin, Conn.
Boston Bridge Works, Inc., Boston, Mass.
Brown-Ketcham Iron Works, Indianapolis, Ind.
Carnegie Steel Company, Pittsburg, Pa.
The Converse Bridge Company, Chattanooga, Tenn.
David Lupton's Sons Company, Philadelphia, Pa.
The Midland Bridge Company, Kansas City, Mo.
Milliken Brothers, New York.
Minneapolis Steel and Machinery Company, Minneapolis, Minn
Modern Steel Structural Company, Waukesha, Wis.
New Castle Bridge Company, Indianapolis, Ind.
New England Structural Company, Everett, Mass.
The Nicola Building Company, Pittsburg, Pa.
Pennsylvania Steel Company, Philadelphia, Pa.
Pittsburg Steel Construction Company, Pittsburg, Pa.
Riter-Conley Manufacturing Company, Pittsburg, Pa.
Russel Wheel and Foundry Company, Detroit, Mich.
The Springfield Bridge and Iron Company, Springfield, Ill.
Variety Iron Works Company, Cleveland, Ohio.
Wisconsin Bridge and Iron Company, Milwaukee, Wis.

332—BUILDINGS, WOODEN.

The Nicola Building Company, Pittsburg, Pa.
The F. A. Requarth Company, Dayton, Ohio.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.

333—BULBS, GLASS, FOR ELECTRIC LAMPS.

Corning Glass Works, Corning, N. Y.
The Lippincott Glass Company, Alexandria, Ind.
Sargent Glass Company, Evansville, Ind.

334—BUNGS.

Bishop & Babcock Company, Cleveland, Ohio.
John Sommer's Son, Newark, N. J.
United States Bung Manufacturing Company, Brooklyn, N. Y.

335—BUOYS, GAS LIGHTED.

Dayton Manufacturing Company, Dayton, Ohio.
Safety Car Heating and Lighting Company, New York.

336—BURGLAR ALARMS.

Stanley & Patterson, Inc., New York.

337—BURLAP.

John T. Bailey & Co., Philadelphia, Pa.
Chelsea Jute Mills, New York.
Fulton Bag and Cotton Mills, New York.
Ludlow Manufacturing Associates, Boston, Mass.
Peru Bagging Manufacturing Company, Peru, Ind.
T. Shriver & Co., New York.

338—BURLAP, TAPESTRY.

H. B. Wiggin's Sons Company, Bloomfield, N. J.

339—BURLAP, WATERPROOF PAPER-LINED.

The Cleveland-Akron Bag Company, Cleveland, Ohio.

340—BURNERS, GAS AND ACETYLENE.

The Best Street Light Company, Canton, Ohio.
Cassidy & Son Manufacturing Company, New York.
Favorite Stove and Range Company, Piqua, Ohio.
The G. R. Lynch Manufacturing Company, Chattanooga, Tenn.
John Simmons Company, New York.
D. M. Steward Manufacturing Company, Chattanooga, Tenn.
Welsbach Company, Gloucester, N. J.

341—BURNERS, GAS, SELF-LIGHTING.

Wm. M. Crane Company, New York
Holtzer-Cabot Electric Company, Brookline, Mass.

342—BURNERS, GASOLINE.

The Best Street Light Company, Canton, Ohio.
Clayton & Lambert Manufacturing Company, Detroit, Mich.

343—BURNERS, LAMP.

The Best Street Light Company, Canton, Ohio.
Bridgeport Brass Company, Bridgeport, Conn.
Clayton & Lambert Manufacturing Company, Detroit, Mich.
Manhattan Brass Company, New York.
Edward Miller & Co., Meriden, Conn.
The Plume & Atwood Manufacturing Company, New York.
Welsbach Company, Gloucester, N. J.
Wheeling Stamping Company, Wheeling, W. Va.

344—BURNERS, OIL (CRUDE).

Union Drop Forge Company, Chicago, Ill.

345—BUTTER CARRIERS.

Elgin Butter Tub Company, Elgin, Ill.

346—BUTTER TUBS AND KITS.

California Barrel Company, San Francisco, Cal.
Elgin Butter Tub Company, Elgin, Ill.
Menasha Wooden Ware Company, Menasha, Wis.
Vermont Farm Machine Company, Bellows Falls, Vt.

347—BUTTER WORKING APPARATUS.

Vermont Farm Machine Company, Bellows Falls, Vt.

348—BUTTERINE.

G. H. Hammond Company, Chicago, Ill.
Morris & Company, Chicago, Ill.
Swift and Company, Chicago, Ill.

349—BUTTONS, GOLD.

Eckfeldt & Ackley, Newark, N. J.
R. R. Fogel & Co., New York.
Walter E. Hayward, Attleboro, Mass.
Krementz & Co., Newark, N. J.
Larter, Elcox & Co., New York.
E. L. Spencer Company, Inc., Providence, R. I.

350—BUTTONS, METAL.

B. Conlan & Co., Newark, N. J.
R. R. Fogel & Co., New York.
Krementz & Co., Newark, N. J.
Scovill Manufacturing Company, Waterbury, Conn.
Traut & Hine Manufacturing Company, New Britain, Conn.

351—BUTTONS, VEGETABLE IVORY AND PEARL.

Auburn Button Works, Auburn, N. Y.
Davenport Pearl Button Company, New York.
German-American Button Company, Rochester, N. Y.
M. B. Shantz Company, Rochester, N. Y.

352—BUTTONS, WOOD AND IVORY.

M. B. Shantz Company, Rochester, N. Y.
John Sommer's Son, Newark, N. J.

353—BUTTS, GUN.

J. Stevens Arms and Tool Company, Chicopee Falls, Mass.

354—CABINET WORK.

Aldine Grate and Mantel Company, Grand Rapids, Mich.
E. Bailey & Sons, Inc., Patchogue, N. Y.
The Batavia and New York Wood Working Company, Pittsburg, Pa.
Bliss & Van Auken, Saginaw, Mich.
The Brunswick-Balke-Collender Company, New York.
The Compound Door Company, St. Joseph, Mich.
S. L. Eastman Flooring Company, Saginaw, Mich.
The Edwards Lumber and Coal Company, Long Branch, N. J.
Findeisen & Kropf Manufacturing Company, Chicago, Ill.
Foster Lumber Company, Indianapolis, Ind.
F. X. Ganter, Baltimore, Md.
John A. Gauger & Co., Chicago, Ill.
Henry Gaus & Sons Manufacturing Company, St. Louis, Mo.
Edward Germain, Saginaw, Mich.
Grand Rapids Show Case Company, Grand Rapids, Mich.

354—CABINET WORK—Continued.

H. Herrmann, New York.
Himmelberger-Harrison Lumber Company, Morehouse, Mo.
C. A. Hooper & Co., San Francisco, Cal.
Irving & Casson, Boston, Mass.
Kertscher & Co., New York.
Knoxville Furniture Company, Knoxville, Tenn.
Liquid Carbonic Company, Chicago, Ill.
John S. Loomis Company, Brooklyn, N. Y.
McConnell Manufacturing Company, Hornellsville, N. Y.
Matthews Brothers Manufacturing Company, Milwaukee, Wis.
Wm. Miller & Sons, Inc., Rochester, Pa.
The Robert Mitchell Furniture Company, Cincinnati, Ohio.
Nollau & Wolff Manufacturing Company, Chicago, Ill.
A. Roberson & Son, Binghamton, N. Y.
Scott-Graff Lumber Company, Duluth, Minn.
The Sumter Telephone Manufacturing Company, Sumter, S. C.
Henry Taylor Lumber Company, Lafayette, Ind.
William Tonk & Bro., Inc., New York.
Wabash Cabinet Company, Wabash, Ind.
The T. Wilce Company, Chicago, Ill.
A. & S. Wilson Company, Pittsburg, Pa.
Jas. G. Wilson Manufacturing Company, New York.
Woodward Lumber Company, Atlanta, Ga.

355—CABINETS AND CASES.

Acme Kitchen Furniture Company, Chattanooga, Tenn.
Amberg File and Index Company, Chicago, Ill.
Barnhart Brothers & Spindler, Chicago, Ill.
Carman Manufacturing Company, Tacoma, Wash.
Feige Desk Company, Saginaw, Mich.
F. X. Ganter, Baltimore, Md.
Golding Manufacturing Company, Boston, Mass.
Grand Rapids Hand Screw Company, Grand Rapids, Mich.
Grand Rapids Refrigerator Company, Grand Rapids, Mich.
Grand Rapids Show Case Company, Grand Rapids, Mich.
Greenpoint Metallic Bed Company, Brooklyn, N. Y.
The Hamilton Manufacturing Company, Two Rivers, Wis.
C. A. Hooper & Co., San Francisco, Cal.
Irving & Casson, Boston, Mass.
Kelly Foundry and Machine Company, Goshen, Ind.
New England Furniture Company, Grand Rapids, Mich.
Nollau & Wolff Manufacturing Company, Chicago, Ill.
Oriel Cabinet Company, Grand Rapids, Mich.
J. P. Paulson, Denver, Col.
Rand Avery Supply Company, Boston, Mass.
Rand, McNally & Co., Chicago, Ill.
Rathborne, Hair & Ridgeway Company, Chicago, Ill.
A. Roberson & Son, Binghamton, N. Y.
Seattle Mattress and Upholstery Company, Seattle, Wash.
The Shaw-Walker Company, Muskegon, Mich.
Sheldon Novelty Company, Kankakee, Ill.
Skandia Furniture Company, Rockford, Ill.
The Spencer & Barnes Company, Benton Harbor, Mich.
The Udell Works, Indianapolis, Ind.
Wabash Cabinet Company, Wabash, Ind.

356—CABINETS, FILING.

(See Files, Letter.)

357—CABINETS, INSTRUMENT AND MEDICINE.

W. D. Allison Company, Indianapolis, Ind.
S. F. Bowser & Co., Fort Wayne, Ind.
Grand Rapids Hand Screw Company, Grand Rapids, Mich.
Grand Rapids Show Case Company, Grand Rapids, Mich.
Greenpoint Metallic Bed Company, Brooklyn, N. Y.
The G. F. Harvey Company, Saratoga Springs, N. Y.
C. E. Jennings & Co., New York.
The Ransom & Randolph Company, Toledo, Ohio.
Sheldon Novelty Company, Kankakee, Ill.
The Udell Works, Indianapolis, Ind.

358—CABINETS, MUSIC.

Feige Desk Company, Saginaw, Mich.
The Charles Parker Company, Meriden, Conn.
Sheldon Novelty Company, Kankakee, Ill.
William Tonk & Bro., Inc., New York.
The Udell Works, Indianapolis, Ind.

359—CABINETS, OIL.

S. F. Bowser & Co., Fort Wayne, Ind.

360—CABINETS, TOILET PAPER.

Albany Perforated Wrapping Paper Company, Albany, N. Y.
Josiah Anstice & Co., Rochester, N. Y.
Hero Fruit Jar Company, Philadelphia, Pa.
Northern Tissue Paper Mills, Green Bay, Wis.
Scott Paper Company, Philadelphia, Pa.
The Udell Works, Indianapolis, Ind.

361—CABLE, ARMORED OR INSULATED, ELECTRIC.

Albert & J. M. Anderson Manufacturing Company, Boston, Mass.
Ansonia Brass and Copper Company, New York.
Electrical Manufacturers' Export Company, New York.
Kellogg Switchboard and Supply Company, Chicago, Ill.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Monarch Electric and Wire Company, Chicago, Ill.
Alfred F. Moore, Philadelphia, Pa.
Phillips Insulated Wire Company, Pawtucket, R. I.
The Simplex Electrical Company, Boston, Mass.
Standard Underground Cable Company, Pittsburg, Pa.
Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y.
Wendell & MacDuffie, New York.

362—CABLES, OIL WELL.

Baker Iron Works, Los Angeles, Cal.
Edwin H. Fitler Company, Philadelphia, Pa.
Keystone Driller Company, Beaver Falls, Pa.
Leidecker Tool Company, Marietta, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Oil Well Supply Company, Pittsburg, Pa.
Tubbs Cordage Company, San Francisco, Cal.
United States Engine Company, Parkersburg, W. Va.

363—CABLEWAYS.

(See Tramways, Wire Rope.)

364—CAGES, BIRD.

Fred J. Meyers Manufacturing Company, Hamilton, Ohio.

365—CAKE, COTTON SEED.

American Cotton Oil Company, New York.
Kentucky Refining Company, Louisville, Ky.
The Perkins Oil Company, Memphis, Tenn.
Procter & Gamble Company, Cincinnati, Ohio.
The Southern Cotton Oil Company, New York.
Virginia-Carolina Chemical Company, Richmond, Va.

366—CALCIUM CARBIDE.

Franklin H. Kalbfleisch Company, New York.
Union Carbide Company, Chicago, Ill.

367—CALCIUM CHLORIDE AND FLUORIDE.

Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

368—CALDRONS.

(See Kettles.)

369—CALENDARS.

American Lithographic Company, New York.
Julius Bien & Co., New York.
Brown & Bigelow, St. Paul, Minn.
The Calvert Lithographing Company, Detroit, Mich.
Fay Engraving Company, Utica, N. Y.
The Gugler Lithographic Company, Milwaukee, Wis.
The Henderson Lithographic Company, Cincinnati, Ohio.
Ketterlinus Lithographic Manufacturing Company, Philadelphia, Pa.
The Meek Company, Coshocton, Ohio.
C. F. Rumpp & Sons, Philadelphia, Pa.
Strobridge Lithographing Company, Cincinnati, Ohio.

370—CALENDARS, ALL-METAL WALL (PERPETUAL).

Brandt Cashier Company, Chicago, Ill.

371—CALIPERS AND GAUGES.

Billings & Spencer Company, Hartford, Conn.
Brown & Sharpe Manufacturing Company, Providence, R. I.
Goodell-Pratt Company, Greenfield, Mass.
L. S. Starrett Company, Athol, Mass.

372—CALKS, HEEL AND TOE, FOR HORSE SHOES.

American Horse Shoe Company, Phillipsburg, N. J.
Bryden Horse Shoe Company, Catasauqua, Pa.

373—CAMBRICS.

The King Philip Mills, Fall River, Mass.
Manville Company, Providence, R. I.
Millville Manufacturing Company, Philadelphia, Pa.
Slater Cotton Company, Pawtucket, R. I.
Wamsutta Mills, New Bedford, Mass.
Warren Manufacturing Company, Warren, R. I.
Paul Whitin Manufacturing Company, Northbridge, Mass.

374—CAMERAS.

Adams & Westlake Company, Chicago, Ill.
The Anthony & Scovill Company, Binghamton, N. Y.
Eastman Kodak Company, Rochester, N. Y.
Rochester Optical Company, Rochester, N. Y.
Seneca Camera Company, Rochester, N. Y.

375—CAMPHOR.

Charles Pfizer & Co., New York.

376—CAMPHOR, COAL TAR.

(See Naphthaline.)

377—CAN OPENERS.

Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Wrightsville Hardware Company, Wrightsville, Pa.

378—CANS, ASH.

The W. J. Clark Company, Salem, Ohio.
Kelly Foundry and Machine Company, Goshen, Ind.
Stover Manufacturing Company, Freeport, Ill.

379—CANS, GLASS.

(See Jars, Fruit.)

380—CANS, ICE.

Ruemmeli-Dawley Manufacturing Company, St. Louis, Mo.

381—CANS, MILK.

American Can Company, New York.
Lalance & Grosjean Manufacturing Company, New York.
Union Stock Yards Can Company, Chicago, Ill.

382—CANS, PAPER.

W. C. Ritchie & Co., Chicago, Ill.

383—CANS, TIN.

American Can Company, New York.
Berger Manufacturing Company, Canton, Ohio.
John Boyle Company, Baltimore, Md.
Columbia Can Company, St. Louis, Mo.
Peter Gray & Sons, Boston, Mass.
Stuber & Kuck, Peoria, Ill.
Union Stock Yards Can Company, Chicago, Ill.
William Vogel & Brothers, Brooklyn, N. Y.

384—CANDLES.

Procter & Gamble Company, Cincinnati, Ohio.
E. Schneider & Co., Inc., Chicago, Ill.
The M. Werk Company, Cincinnati, Ohio.
Will & Baumer Company, Syracuse, N. Y.

385—CANDLES, SULPHUR.

Seabury & Johnson, New York.

386—CANE MILLS AND CRUSHERS.

(See Mills, Cane.)

387—CANNED GOODS.

The American Preserve Company, Philadelphia, Pa.
Armour & Company, Chicago, Ill.
Beech-Nut Packing Company, Canajoharie, N. Y.
Bloomington Canning Company, Bloomington, Ill.
John Boyle Company, Baltimore, Md.
California Fruit Canners' Association, San Francisco, Cal.
Joseph Campbell Company, Camden, N. J.
The Cudahy Packing Company, New York.
Curtice Bros. Company, Rochester, N. Y.
Elgin Packing Company, Elgin, Ill.
E. C. Hazard & Co., New York.
Kuner Pickle Company, Denver, Col.

387—CANNED GOODS—Continued.

Francis H. Leggett & Co., New York.
Libby, McNeil & Libby, Inc., Chicago, Ill.
Merrell-Soule Company, Syracuse, N. Y.
Tuhey Canning Company, Muncie, Ind.
Van Camp Packing Company, Indianapolis, Ind.

388—CANOPIES, FOLDING.

Troy Carriage Sun Shade Company, Troy, Ohio.
Truscott Boat Manufacturing Company, St. Joseph, Mich.

389—CANOPIES, MOSQUITO BED.

Arawana Mills, Middletown, Conn.

390—CAPS, CLOTH.

Frank P. Heid & Co., Philadelphia, Pa.
John R. Miller & Co., Reading, Pa.

391—CAPS, SCREW.

Hero Fruit Jar Company, Philadelphia, Pa.
William Vogel & Brothers, Brooklyn, N. Y.
A. H. Wirz, Philadelphia, Pa.

392—CAPSTANS.

American Ship Windlass Company, Providence, R. I.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Chase Machine Company, Cleveland, Ohio.
Detroit Shipbuilding Company, Detroit, Mich.
Modern Steel Structural Company, Waukesha, Wis.
The Vulcan Iron Works, Seattle, Wash.

393—CAPSULES, GELATINE.

Billings Clapp Company, Boston, Mass.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Parke, Davis & Co., Detroit, Mich.
William R. Warner & Co., Philadelphia, Pa.
John Wyeth & Brother, Inc., Philadelphia, Pa.

394—CARAMELS.

American Caramel Company, Lancaster, Pa.
The George Blome & Son Company, Baltimore, Md.
National Candy Company, St. Louis, Mo.
Pacific Coast Biscuit Company, Portland, Ore.
W. F. Schrafft & Sons, Boston, Mass.
Wallace & Co., New York.

395—CARBONATING APPARATUS.

Bishop & Babcock Company, Cleveland, Ohio.
Liquid Carbonic Company, Chicago, Ill.
The Joseph Schneible Company, New York.

396—CARBONIC ACID GAS.

Liquid Carbonic Company, Chicago, Ill.
Merrimac Chemical Company, Boston, Mass.

397—CARBONS, ELECTRIC ARC LIGHT.

The Dickey-Sutton Carbon Company, Lancaster, Ohio.
Electrical Manufacturers' Export Company, New York.
The Hart Manufacturing Company, Hartford, Conn.
National Carbon Company, Cleveland, Ohio.

398—CABBORUNDUM PAPER AND CLOTH.

The Carborundum Company, Niagara Falls, N. Y.

399—CARBORUNDUM WHEELS.

The Bridgeport Safety Emery Wheel Company, Bridgeport, Conn.
The Carborundum Company, Niagara Falls, N. Y.
Chicago Wheel and Manufacturing Company, Chicago, Ill.

400—CARD CASES.

(See Pocketbooks, Card Cases, etc.)

401—CARD CLOTHING.

Mechanical Fabric Company, Providence, R. I.

402—CARD INDEXES.

Eichbaum Company Pittsburg, Pa.
Globe-Wernicke Company, Cincinnati, Ohio.
William G. Johnston & Co., Pittsburg, Pa.
Library Bureau, Boston, Mass.
The Macey-Wernicke Company, Ltd., Grand Rapids, Mich.
The Shaw-Walker Company, Muskegon, Mich.
Wabash-Cabinet Company, Wabash, Ind.
The Weis Manufacturing Company, Toledo, Ohio.

403—CARDBOARD, OILED.

F. H. Whittelsey, Windsor Locks, Conn.

404—CARDS AND CARDBOARD.

Albany Card and Paper Manufacturing Company, Albany, N. Y.
American Wood Board Company, Schuylerville, N. Y.
American Writing Paper Company, Holyoke, Mass.
Brownville Board Company, Brownville, N. Y.
Central Ohio Paper Company, Columbus, Ohio.
A. M. Collins Manufacturing Company, Philadelphia, Pa.
Falulah Paper Company, Fitchburg, Mass.
Imperial Coating Mills, Kalamazoo, Mich.
International Paper Company, New York.
Kalamazoo Paper Company, Kalamazoo, Mich.
The Kokomo Paper Company, Kokomo, Ind.
Mittineague Paper Company, Mittineague, Mass.
Parsons Brothers, New York.
B. D. Rising Paper Company, Housatonic, Mass.
The Russell Company, Boston, Mass.
The Thompson & Norris Company, Brooklyn, N. Y.
United Box Board and Paper Company, New York.
Woronoco Paper Company, Woronoco, Mass.
Worthy Paper Company, Mittineague, Mass.

405—CARDS, COTTON.

James Barker, Philadelphia, Pa.
Mason Machine Works, Taunton, Mass.
Saco and Pettee Machine Shops, Newton Upper Falls, Mass.
Whitin Machine Works, Whitinsville, Mass.

406—CARDS, PLAYING.

American Playing Card Company, Kalamazoo, Mich.
United States Playing Card Company, Cincinnati, Ohio.

407—CARPETS, BRUSSELS.

Ivins, Dietz & Metzger Company, Philadelphia, Pa.
Schofield, Mason & Co., Philadelphia, Pa.

408—CARPETS, CARRIAGE.

Thomas Potter, Sons & Co., Inc., Philadelphia, Pa.
Schofield, Mason & Co., Philadelphia, Pa.

409—CARPETS, COTTON.

Morris & Co., Groveville, N. J.

410—CARPETS, INGRAIN.

Ivins, Dietz & Metzger Company, Philadelphia, Pa.
Thomas L. Leedom Company, Bristol, Pa.

411—CARPETS, JUTE.

Chelsea Jute Mills, New York.
Schofield, Mason & Co., Philadelphia, Pa.

412—CARPETS, SMYRNA.

John Bromley & Sons, Philadelphia, Pa.

413—CARPETS, VELVET, WILTON, ETC.

Ivins, Dietz & Metzger Company, Philadelphia, Pa.
Thomas L. Leedom Company, Bristol, Pa.
Schofield, Mason & Co., Philadelphia, Pa.

414—CARRIAGE BODIES, STEEL STAMPED.

American Brake Shoe and Foundry Company, New York.

415—CARRIAGE BODIES, WOOD.

The New Haven Carriage Company, New Haven, Conn.
Safety Buggy Company, Lancaster, Pa.
Schubert Bros. Gear Company, Oneida, N. Y.

416—CARRIAGE CLOTHS.

L. C. Chase & Co., Boston, Mass.
Empire Rubber Manufacturing Company, Trenton, N. J.
The Eureka Rubber Manufacturing Company, Trenton, N. J.
Peace Dale Manufacturing Company, Peace Dale, R. I.
Raritan Woolen Mills, New York.
Talbot Mills, North Billerica, Mass.

417—CARRIAGE DASHES AND FENDERS, LEATHER.

McKinnon Dash Company, Buffalo, N. Y.

418—CARRIAGE PARTS.

The American Ball Bearing Company, Cleveland, Ohio.
Ansted Spring and Axle Company, Connersville, Md.
S. R. Bailey & Co., Amesbury, Mass.
Bliss & Van Auken, Saginaw, Mich.
Cleveland Hardware Company, Cleveland, Ohio.
Columbus Bolt Works, Columbus, Ohio.
Crandal, Stone & Co., Binghamton, N. Y.
Crane & MacMahon, New York.
Eberhard Manufacturing Company, Cleveland, Ohio.
Electric Wheel Company, Quincy, Ill.
Grand Rapids Malleable Company, Grand Rapids, Mich.
Hartwell Brothers, Chicago Heights, Ill.
The Herbrand Company, Fremont, Ohio.
William G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
Liggett Spring and Axle Company, Pittsburg, Pa.
McKinnon Dash Company, Buffalo, N. Y.
Milburn Wagon Company, Toledo, Ohio.
Muncie Wheel and Jobbing Company, Muncie, Ind.
The New Haven Carriage Company, New Haven, Conn.

418—CARRIAGE PARTS—Continued.

Parry Manufacturing Company, Indianapolis, Ind.
Perrine Armstrong Company, Fort Wayne, Ind.
The Pioneer Pole and Shaft Company, Piqua, Ohio.
Pontiac Axle Company, Pontiac, Mich.
Pontiac Wheel Company, Pontiac, Mich.
Republic Iron and Steel Company, Chicago, Ill.
Safety Buggy Company, Lancaster, Pa.
Schubert Bros. Gear Company, Oneida, N. Y.
Scranton Forging Company, Scranton, Pa.
Sheldon Axle Company, Wilkes-Barre, Pa.
J. M. Skinner Bending Company, Toledo, Ohio.
Wilbur Slack, Trenton, N. J.
The Standard Welding Company, Cleveland, Ohio.
Standard Wheel Company, Terre Haute, Ind.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Todd Manufacturing Company, New Albany, Ind.
Von Behren Manufacturing Company, Evansville, Ind.
Weis & Lesh Manufacturing Company, Muncie, Ind.
The Zwick & Greenwald Wheel Company, Dayton, Ohio.

419—CARRIAGE TRIMMINGS.

(See Trimmings, Carriage and Casket.)

420—CARRIAGES.

American Carriage Company, Cincinnati, Ohio.
H. H. Babcock Company, Watertown, N. Y.
S. R. Bailey & Co., Amesbury, Mass.
S. E. Baily & Co., Lancaster, Pa.
Banner Buggy Company, St. Louis, Mo.
Barnett Carriage Company, Cincinanti, Ohio.
Columbia Carriage Company, Hamilton, Ohio.
The Columbus Carriage and Harness Company, Columbus, Ohio.
James Cunningham Son & Co., Rochester, N. Y.
Elkhart Carriage and Harness Manufacturing Company, Elkhart, Ind.
The Flint Wagon Works, Flint, Mich.
W. S. Frazier & Co., Aurora, Ill.
Fuller Buggy Company, Jackson, Mich.
Hassett & Hodge, Amesbury, Mass.
Hercules Buggy Company, Evansville, Ind.
William G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
H. E. Holmes & Co., San Francisco, Cal.
James & Mayer Buggy Company, Lawrenceburg, Ind.
W. H. Kiblinger Company, Auburn, Ind.
La Porte Carriage Company, La Porte, Ind.
Lilly Carriage Company, Memphis, Tenn.
The Martin Carriage Works, York, Pa.
Michigan Buggy Company, Kalamazoo, Mich.
Milburn Wagon Company, Toledo, Ohio.
H. A. Moyer, Syracuse, N. Y.
The New Haven Carriage Company, New Haven, Conn.
Parry Manufacturing Company, Indianapolis, Ind.
Racine-Sattley Company, Springfield, Ill.
Rock Island Buggy Company, Rock Island, Ill.
Safety Buggy Company, Lancaster, Pa.
Schubert Bros. Gear Company, Oneida, N. Y.
R. D. Scott & Co., Pontiac, Mich.
D. M. Sechler Carriage Company, Moline, Ill.
Sechler & Co., Cincinnati, Ohio.

420—CARRIAGES—Continued.

Studebaker Brothers Manufacturing Company, South Bend, Ind.
The Union City Carriage Manufacturing Company, Union City, Ind.
Velie Carriage Company, Moline, Ill.
Westcott Carriage Company, Richmond, Ind.
Winona Wagon Company, Winona, Minn.
Alonzo Wygant, Chicago, Ill.

421—CARRIAGES, BABY.

Gendron Wheel Company, Toledo, Ohio.
National Novelty Corporation, New York.

422—CAR SEALS AND PRESSES.

A. H. Peirce Manufacturing Company, Chicago, Ill.

423—CAR SEATS.

American School Furniture Company, Chicago, Ill.
Hale & Kilburn Manufacturing Company, Philadelphia, Pa.
The Hamilton Manufacturing Company, Two Rivers, Wis.
St. Louis Car Company, St. Louis, Mo.

424—CAR STEPS, STEEL.

Railway Appliances Company, Chicago, Ill.

425—CAR TRIMMINGS, BRASS.

The Adams & Westlake Company, Chicago, Ill.
Dayton Manufacturing Company, Dayton, Ohio.
James L. Howard & Co., Hartford, Conn.
National Lock Washer Company, Newark, N. J.
Russell & Erwin Manufacturing Company, New Britain, Conn.
St. Louis Car Company, St. Louis, Mo.

426—CARS, CABOOSE.

American Car and Foundry Company, New York.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.

427—CARS, COAL.

American Car and Foundry Company, New York.
Osgood Bradley & Sons, Worcester, Mass.
Chattanooga Car & Foundry Company, Chattanooga, Tenn.
Lansing Wheelbarrow Company, Lansing, Mich.
Mt. Vernon Car Manufacturing Company Mt. Vernon, Ill.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
Pullman Company, Chicago, Ill.
M. H. Treadwell & Co., of Pa., Lebanon, Pa.
Wason Manufacturing Company, Springfield, Mass.

428—CARS, DUMP.

American Car and Foundry Company, New York.
Bodley Wagon Company, Memphis, Tenn.
Buffalo Pitts Company, Buffalo, N. Y.
Globe Iron Works, Stockton, Cal.
Jeffrey Manufacturing Company, Columbus, Ohio.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
Wm. J. Oliver Manufacturing Company, Knoxville, Tenn.
Pennsylvania Engineering Works, New Castle, Pa.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
Robinson Machine Company, Monongahela, Pa.

428—CARS, DUMP—Continued.

M. H. Treadwell & Co., of Pa., Lebanon, Pa.
C. A. Warren & Co., San Francisco, Cal.
The Watt Mining Car Wheel Company, Barnesville, Ohio.
Western Wheeled Scraper Company, Aurora, Ill.

429—CARS, ELECTRIC SPRINKLER.

J. G. Brill Company, Philadelphia, Pa.
McGuire-Cummings Manufacturing Company, Chicago, Ill.

430—CARS, ELEVATOR.

Cheney Bigelow Wire Works, Springfield, Mass.
Duncan Foundry and Machine Works, Alton, Ill.
Eagle Iron Works, Des Moines, Iowa.
A. Lucas & Sons, Peoria, Ill.
Merritt & Co., Inc., Philadelphia, Pa.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
National Iron Company, West Duluth, Minn.
Nordyke & Marmon Company, Indianapolis, Ind.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Robinson Machine Company, Monongahela, Pa.
The Standard Company, Chicago, Ill.
W. S. Tyler Company, Cleveland, Ohio.
Vulcan Iron Works, Wilkes-Barre, Pa.

431—CARS, FREIGHT.

American Car and Foundry Company, New York.
Bettendorf Axle Company, Davenport, Iowa.
Osgood Bradley & Sons, Worcester, Mass.
Chattanooga Car and Foundry Company, Chattanooga, Tenn.
Erie Car Works, Erie, Pa.
F. M. Hicks & Co., Chicago, Ill.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
Pullman Company, Chicago, Ill.
Ramapo Iron Works, New York.
Russel Wheel and Foundry Company, Detroit, Mich.
St. Louis Car Company, St. Louis Mo.
M. H. Treadwell & Co., of Pa., Lebanon, Pa.
Wason Manufacturing Company, Springfield, Mass.
Whiting Foundry Equipment Company, Harvey, Ill.

432—CARS, FUNERAL.

St. Louis Coffin Company, St. Louis, Mo.

433—CARS, HAND AND PUSH.

American Car and Foundry Company, New York.
Fairbanks, Morse & Co., Chicago, Ill.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Lansing Wheelbarrow Company, Lansing, Mich.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
Pennsylvania Engineering Works, New Castle, Pa.
Russel Wheel and Foundry Company, Detroit, Mich.
C. A. Warren & Co., San Francisco, Cal.
Western Wheeled Scraper Company, Aurora, Ill.

434—CARS, INDUSTRIAL RAILWAY.

Buffalo Pitts Company, Buffalo, N. Y.
Edwin Harrington, Son & Co., Inc., Philadelphia, Pa.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.

434—CARS, INDUSTRIAL RAILWAY—Continued.

Wm. J. Oliver Manufacturing Company, Knoxville, Tenn.
Pennsylvania Engineering Works, New Castle, Pa.
The Portland Company, Portland, Me.
Russel Wheel and Foundry Company, Detroit, Mich.
M. H. Treadwell & Co., of Pa., Lebanon, Pa.
Western Wheeled Scraper Company, Aurora, Ill.

435—CARS, LOGGING.

American Car and Foundry Company, New York.
Clyde Iron Works, Duluth, Minn.
De Loach Mill Manufacturing Company, Atlanta, Ga.
Electric Wheel Company, Quincy, Ill.
The Holt Manufacturing Company, Stockton, Cal.
Lane Manufacturing Company, Montpelier, Vt.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
Russel Wheel and Foundry Company, Detroit, Mich.

436—CARS, MINING.

American Car and Foundry Company, New York.
A. F. Bartlett & Co., Saginaw, Mich.
Buffalo Pitts Company, Buffalo, N. Y.
Chattanooga Car and Foundry Company, Chattanooga, Tenn.
Duncan Foundry and Machine Works, Alton, Ill.
Eagle Iron Works, Des Moines, Iowa.
Fairbanks, Morse & Co., Chicago, Ill.
Globe Iron Works, Stockton, Cal.
Jeffrey Manufacturing Company, Columbus, Ohio.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
The Mine and Smelter Supply Company, Denver, Col.
Morgan-Gardner Electric Company, Chicago, Ill.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
National Iron Company, West Duluth, Minn.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
The Portland Company, Portland, Me.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Robins Conveying Belt Company, New York.
Robinson Machine Company, Monongahela, Pa.
Russel Wheel and Foundry Company, Detroit, Mich.
M. H. Treadwell & Co., of Pa., Lebanon, Pa.
Union Iron Works, Spokane, Wash.
The Watt Mining Car Wheel Company, Barnesville, Ohio.

437—CARS, PASSENGER.

American Car and Foundry Company, New York.
Osgood Bradley & Sons, Worcester, Mass.
F. M. Hicks & Co., Chicago, Ill.
Pullman Company, Chicago, Ill.
St. Louis Car Company, St. Louis, Mo.
Wason Manufacturing Company, Springfield, Mass.

438—CARS, PLANTATION.

American Car and Foundry Company, New York.
Buffalo Forge Company, Buffalo, N. Y.
Buffalo Pitts Company, Buffalo, N. Y.
Chattanooga Car and Foundry Company, Chattanooga, Tenn.
Electric Wheel Company, Quincy, Ill.
Fairbanks, Morse & Co., Chicago, Ill.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.

438—CARS, PLANTATION—Continued.

The Portland Company, Portland, Me.
Pusey & Jones Company, Wilmington, Del.
Ramapo Iron Works, New York.
Russel Wheel and Foundry Company, Detroit, Mich.

439—CARS, RAILWAY CONSTRUCTION AND INSPECTION.

American Car and Foundry Company, New York.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
Western Wheeled Scraper Company, Aurora, Ill.

440—CARS, REBUILDERS OF.

Southern Iron and Equipment Company, Atlanta, Ga.

441—CARS, REFRIGERATOR.

Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
M. H. Treadwell & Co., of Pa., Lebanon, Pa.

442—CARS, STOCK.

American Car and Foundry Company, New York.
Osgood Bradley & Sons, Worcester, Mass.
F. M. Hicks & Co., Chicago, Ill.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
The Pullman Company, Chicago, Ill.
Wason Manufacturing Company, Springfield, Mass.

443—CARS, STREET.

American Car and Foundry Company, New York.
Osgood Bradley & Sons, Worcester, Mass.
J. G. Brill Company, Philadelphia, Pa.
J. M. Jones' Sons, Watervliet, N. Y.
McGuire-Cummings Manufacturing Company, Chicago, Ill.
St. Louis Car Company, St. Louis, Mo.
Wason Manufacturing Company, Springfield, Mass.

444—CARS, TANK.

American Car and Foundry Company, New York.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
Petroleum Iron Works Company, Washington, Pa.

445—CARS, WRECKING.

American Car and Foundry Company, New York.
Brown Hoisting Machinery Company, Cleveland, Ohio.
The Bucyrus Company, South Milwaukee, Wis.
Joyce Cridland Company, Dayton, Ohio.
Marion Steam Shovel Company, Marion, Ohio.
Marshutz & Cantrell, San Francisco, Cal.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.

446—CARTONS.

F. W. Bird & Son, East Walpole, Mass.
Brown & Bailey Company, Philadelphia, Pa.
Commercial Envelope and Box Company, Binghamton, N. Y.
Parker Hosiery Mill and Dye Works, Portsmouth, Va.
W. C. Ritchie & Co., Chicago, Ill.
The Scharf Tag, Label and Box Company, Ypsilanti, Mich.
H. Schultz & Co., Chicago, Ill.
The J. W. Sefton Manufacturing Company, Chicago, Ill.
United States Printing Company, Cincinnati, Ohio.
C. F. Wolff & Son, Chicago, Ill.

447—CARTRIDGE SHELLS.

Equitable Powder Manufacturing Company, St. Louis, Mo.
M. Hartley Company, New York.
J. Stevens Arms and Tool Company, Chicopee Falls, Mass.
Waterbury Brass Company, Waterbury, Conn.

448—CARTRIDGES, RIFLE AND REVOLVER.

(See Ammunition.)

449—CARTS, BREAKING.

W. S. Frazier & Co., Aurora, Ill.

450—CARTS, DUMP.

Bodley Wagon Company, Memphis, Tenn.
Electric Wheel Company, Quincy, Ill.
Florence Wagon Works, Florence, Ala.
H. E. Holmes & Co., San Francisco, Cal.
Kentucky Wagon Manufacturing Company, Louisville, Ky.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Milburn Wagon Company, Toledo, Ohio.
Port Huron Engine and Thresher Company, Port Huron, Mich.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Troy Wagon Works Company, Troy, Ohio.
C. A. Warren & Co., San Francisco, Cal.
Western Wheeled Scraper Company, Aurora, Ill.
Winona Wagon Company, Winona, Minn.

451—CARTS, FARM.

(See Wagons, Farm.)

452—CARTS, HAND.

Bateman Manufacturing Company, Grenloch, N. J.
David Bradley Manufacturing Company, Bradley, Ill.
Gendron Wheel Company, Toledo, Ohio.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Lansing Wheelbarrow Company, Lansing, Mich.
Roderick Lean Manufacturing Company, Mansfield, Ohio.
Frank C. Patten Company, Sycamore, Ill.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Syracuse Chilled Plow Company, Syracuse, N. Y.

453—CARTS, PNEUMATIC TIRED.

W. S. Frazier & Co., Aurora, Ill.
La Porte Carriage Company, La Porte, Ind.

454—CARTS, ROAD.

(See Buggies.)

455—CARTS, TRACK.

W. S. Frazier & Co., Aurora, Ill.
La Porte Carriage Company, La Porte, Ind.
Michigan Buggy Company, Kalamazoo, Mich.

456—CASEIN.

Water Paint Company of America, New York.

457—CASES, GAS METER.

Bartlett, Hayward & Co., Baltimore, Md.

458—CASES, LEATHER, FOR JEWELRY AND EYEGLASSES.

American Optical Company, Southbridge, Mass.
C. F. Rumpp & Sons, Philadelphia, Pa.

459—CASES, PHYSICIANS' AND SURGEONS'.

The G. F. Harvey Company, Saratoga Springs, N. Y.
The Standard Optical Company, Geneva, N. Y.

460—CASES, PILLOW.

The H. B. Claflin Company, New York.
Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y.

461—CASES, SAMPLE.

R. C. Jenkinson & Co., Newark, N. J.
Meier & Schuknecht, Detroit, Mich.

462—CASH REGISTERS.

(See Registers, Cash.)

463—CASING, STEEL.

Baker Iron Works, Los Angeles, Cal.
W. J. Clark Company, Salem, Ohio.
Consolidated Pipe Company, Los Angeles, Cal.
Flint & Walling Manufacturing Company, Kendallville, Ind.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.

464—CASING, WELL, CLAY PIPE.

W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.

465—CASING, WROUGHT IRON.

Christopher Cunningham, Brooklyn, N. Y.
Flint & Walling Manufacturing Company, Kendallville, Ind.
Keystone Driller Company, Beaver Falls, Pa.
Monongahela Tube Company, Pittsburg, Pa.
Oil Well Supply Company, Pittsburg, Pa.
South Chester Tube Company, Chester, Pa.
Spang, Chalfant & Co., Inc., Pittsburg, Pa.

466—CASINGS, SAUSAGE.

Brecht B. S. Co., St. Louis, Mo.
Morris & Company, Chicago, Ill.

467—CASSIMERES.

Atlanta Woolen Mills, Atlanta, Ga.
W. J. Dickey & Sons, Baltimore, Md.
Globe Woolen Company, Utica, N. Y.
Hamilton Woolen Company, Boston, Mass.
Thomas Kitson & Son, Stroudsburg, Pa.
Knoxville Woolen Mills, Knoxville, Tenn.
Louis Kraemer & Co., Reading, Pa.
Meyer & Goetze, New York.
Nashville Woolen Mill Company, Nashville, Tenn.
Park Woolen Mills, Rossville, Ga.
Peace Dale Manufacturing Company, Peace Dale, R. I.
Raritan Woolen Mills, New York.
The S. N. & C. Russell Manufacturing Company, Pittsfield, Mass.
South Bend Woolen Company, South Bend, Ind.
John Williams Manufacturing Company, Philadelphia, Pa.

468—CASTERS, FURNITURE AND TRUNK.

Atwood Brothers, East Whitman, Mass.
The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
The R. Neumann Hardware Company, Newark, N. J.
Sargent & Co., New York.
J. H. Sessions & Son, Bristol, Conn.

468—CASTERS, FURNITURE AND TRUNK—Continued.

Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.
Universal Caster and Foundry Company, New York.
Wrightsville Hardware Company, Wrightsville, Pa.

469—CASTINGS, ALUMINUM.

(See Aluminum, Ingot and Cast.)

470—CASTINGS, ARCHITECTURAL.

Brown-Ketcham Iron Works, Indianapolis, Ind.
The Champion Iron Company, Kenton, Ohio.
Chattanooga Roofing and Foundry Company, Chattanooga, Tenn.
Joshua Hendy Machine Works, San Francisco, Cal.
Llewellyn Iron Works, Los Angeles, Cal.
Lombard Iron Works and Supply Company, Augusta, Ga.
Love Brothers, Inc., Aurora, Kane County, Ill.
McGuire-Cummings Manufacturing Company, Chicago, Ill.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
National Iron Company, West Duluth, Minn.
Price-Evans Foundry Company, Chattanooga, Tenn.
The Standard Company, Chicago, Ill.
Jno. Williams, New York.

471—CASTINGS, BRASS.

Acme Steel and Malleable Iron Works, Buffalo, N. Y.
The Allyne Brass Foundry Company, Cleveland, Ohio.
Buckeye Iron and Brass Works, Dayton, Ohio.
The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
Clayton & Lambert Manufacturing Company, Detroit, Mich.
Clum & Atkinson, Rochester, N. Y.
The J. D. Connell Iron Works, New Orleans, La.
Crane Company, Chicago, Ill.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Detroit Lubricator Company, Detroit, Mich.
Detroit Shipbuilding Company, Detroit, Mich.
Eastwood Wire Manufacturing Company, Belleville, N. J.
Eaton, Cole & Burnham Company, New York.
Eureka Foundry Company, Chattanooga, Tenn.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Flint & Walling Manufacturing Company, Kendallville, Ind.
W. T. Garratt & Co., San Francisco, Cal.
Globe Iron Works, Stockton, Cal.
Grand Rapids Brass Company, Grand Rapids, Mich.
Herron Pump and Foundry Company, Chattanooga, Tenn.
Hoffmann & Billings Manufacturing Company, Milwaukee, Wis.
James L. Howard & Co., Hartford, Conn.
Illinois Malleable Iron Company, Chicago, Ill.
Jarecki Manufacturing Company, Erie, Pa.
The Johnson Iron Works, Limited, New Orleans, La.
Johnson Service Company, Milwaukee, Wis.
The Kelly & Jones Company, New York.
Landers, Frary & Clark, New Britain, Conn.
Liquid Carbonic Company, Chicago, Ill.
Lunkenheimer Company, Cincinnati, Ohio.
McClave Brooks Company, Scranton, Pa.
McRae & Roberts Company, Detroit, Mich.
Mackintosh, Hemphill & Co., Pittsburg, Pa.
Manhattan Brass Company, New York.
Moran Bros. Company, Seattle, Wash.
New Departure Manufacturing Company, Bristol, Conn.

471—CASTINGS, BRASS—Continued.

The Ohio Brass Company, Mansfield, Ohio.
The Ohio Brass and Iron Manufacturing Company, Cleveland, Ohio.
The Pattin Bros. Company Marietta, Ohio.
The Peck Brothers & Co., New Haven, Conn.
Pittsburg Valve, Foundry and Construction Company, Pittsburg, Pa.
The Portland Company, Portland, Me.
William Powell Company, Cincinnati, Ohio.
Quintard Iron Works Company, New York.
Paul S. Reeves & Son, Philadelphia, Pa.
Roe Stephens Manufacturing Company, Detroit, Mich.
The J. Roylance Brass Works, San Francisco, Cal.
J. J. Ryan & Co., Chicago, Ill.
Sherwood Manufacturing Company, Buffalo, N. Y.
T. Shriver & Co., New York.
John Simmons Company, New York.
Smith & Anthony Company, Boston, Mass.
Standard Sanitary Manufacturing Company, Pittsburg, Pa.
Street & Kent Manufacturing Company, Chicago, Ill.
Tarrant Foundry Company, Chicago, Ill.
United Engineering and Foundry Company, Pittsburg, Pa.
Vaughn Machine Company, Peabody, Mass.
Walworth Manufacturing Company, Boston, Mass.
Weir & Craig Manufacturing Company, Chicago, Ill.
L. Wolff Manufacturing Company, Chicago, Ill.

472—CASTINGS, BRONZE.

The Allyne Brass Foundry Company, Cleveland, Ohio.
Clayton & Lambert Manufacturing Company, Detroit, Mich.
Clum & Atkinson, Rochester, N. Y.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Detroit Lubricator Company, Detroit, Mich.
Eastwood Wire Manufacturing Company, Belleville, N. J.
Johnson Service Company, Milwaukee, Wis.
The Kennedy Valve Manufacturing Company, New York.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
Manhattan Brass Company, New York.
Moran Bros. Company, Seattle, Wash.
Philadelphia White Bronze Monument Company, Philadelphia, Pa.
Phosphor-Bronze Smelting Company, Ltd., Philadelphia, Pa.
Pittsburg Valve, Foundry and Construction Company, Pittsburg, Pa.
Paul S. Reeves & Son, Philadelphia, Pa.
Sherwood Manufacturing Company, Buffalo, N. Y.
T. Shriver & Co., New York.
Tarrant Foundry Company, Chicago, Ill.
Jno. Williams, New York.

473—CASTINGS, CAR.

American Car and Foundry Company, New York.
Benjamin Atha & Co., Newark, N. J.
Barbour Stockwell Company, Cambridgeport, Mass.
The Bass Foundry and Machine Company, Fort Wayne, Ind.
Bingham & Taylor, Buffalo, N. Y.
Bridgeport Malleable Iron Company, Bridgeport, Conn.
Chattanooga Car & Foundry Company, Chattanooga, Tenn.
Dayton Malleable Iron Company, Dayton, Ohio.
Erie Car Works, Erie, Pa.
Eureka Foundry Company, Chattanooga, Tenn.
Gould Coupler Company, New York.
Grand Rapids Malleable Company, Grand Rapids, Mich.

473—CASTINGS, CAR—Continued.

Interstate Foundry Company, Cleveland, Ohio.
The S. Jarvis Adams Company, Pittsburg, Pa.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
Lobdell Car Wheel Company, Wilmington, Del.
Love Brothers, Inc., Aurora, Kane County, Ill.
McConway & Torley Company, Pittsburg, Pa.
McGuire-Cummings Manufacturing Company, Chicago, Ill.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
National Malleable Castings Company, Cleveland, Ohio.
North-Western Malleable Iron Company, Milwaukee, Wis.
Pittsburg Malleable Iron Company, Pittsburg, Pa.
The Portland Company, Portland, Me.
Pratt & Letchworth Company, Buffalo, N. Y.
Ramapo Iron Works, New York.
Ross Meehan Foundry Company, Chattanooga, Tenn.
Russel Wheel and Foundry Company, Detroit, Mich.
St. Louis Car Company, St. Louis, Mo.
Scullin-Gallagher Iron and Steel Company, St. Louis, Mo.
The Sessions Foundry Company, Bristol, Conn.
Standard Steel Works, Philadelphia, Pa.
Taylor Iron and Steel Company, High Bridge, N. J.
M. H. Treadwell & Co., of Pa., Lebanon, Pa.
Wason Manufacturing Company, Springfield, Mass.
The Watt Mining Car Wheel Company, Barnesville, Ohio.

474—CASTINGS, CARRIAGE.

Eberhard Manufacturing Company, Cleveland, Ohio.
Grand Rapids Malleable Company, Grand Rapids, Mich.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Kelly Foundry and Machine Company, Goshen, Ind.

475—CASTINGS, CHILLED.

(See Castings, Semi-Steel; also Rolls, Chilled.)

476—CASTINGS, CHROME STEEL.

Bethlehem Steel Company, South Bethlehem, Pa.
Chrome Steel Works, Brooklyn, N. Y.
Taylor Iron and Steel Company, High Bridge, N. J.

477—CASTINGS, COMPOSITION METAL.

Acme Steel and Malleable Iron Works, Buffalo, N. Y.
Clum & Atkinson, Rochester, N. Y.
Mackintosh, Hemphill & Co., Pittsburg, Pa.
Merchant & Co., Inc., Philadelphia, Pa.
New Era Manufacturing Company, Kalamazoo, Mich.
Phosphor-Bronze Smelting Company, Ltd., Philadelphia, Pa.
Paul S. Reeves & Son, Philadelphia, Pa.
Ross Meehan Foundry Company, Chattanooga, Tenn.
Vaughn Machine Company, Peabody, Mass.

478—CASTINGS, COPPER.

Johnson Service Company, Milwaukee, Wis.
T. Shriver & Co., New York.

479—CASTINGS, IRON.

Acme Foundry Company, Cleveland, Ohio.
American Brake Shoe and Foundry Company, New York.
American Car and Foundry Company, New York.
American Foundry and Furnace Company, Bloomington, Ill.

479—CASTINGS, IRON—Continued.

Arcade Manufacturing Company, Freeport, Ill.
Barbour Stockwell Company, Cambridgeport, Mass.
James Barker, Philadelphia, Pa.
Bartlett, Hayward & Co., Baltimore, Md.
Belle City Manufacturing Company, Racine Junction, Wis.
Bingham & Taylor, Buffalo, N. Y.
Birmingham Machine and Foundry Company, Birmingham, Ala.
Bridgeport Malleable Iron Company, Bridgeport, Conn.
The A. & F. Brown Company, New York.
A. Buch's Sons Company, Elizabethtown, Pa.
The Cahill Iron Works, Chattanooga, Tenn.
Caird & Hawksworth, Helena, Mont.
The Champion Iron Company, Kenton, Ohio.
Chase Machine Company, Cleveland, Ohio.
Chattanooga Car and Foundry Company, Chattanooga, Tenn.
Chattanooga Roofing and Foundry Company, Chattanooga, Tenn.
Chickasaw Iron Works, Memphis, Tenn.
Clarage Foundry and Manufacturing Company, Kalamazoo, Mich.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Crane Company, Chicago, Ill.
The J. D. Connell Iron Works, New Orleans, La.
The Dimmick Pipe Company, Birmingham, Ala.
Eastwood Wire Manufacturing Company, Belleville, N. J.
Eaton, Cole & Burnham Company, New York.
Eureka Foundry Company, Chattanooga, Tenn.
Farrar & Trefts, Buffalo, N. Y.
Filer & Stowell Company, Milwaukee, Wis.
The Flynn & Emrich Company, Baltimore, Md.
Forest City Foundry and Manufacturing Company, Cleveland, Ohio.
The Francis & Nygren Foundry Company, Chicago, Ill.
Fuller Iron Works, Providence, R. I.
Globe Iron Works, Stockton, Cal.
Haines, Jones & Cadbury Company, Philadelphia, Pa.
Joshua Hendy Machine Works, San Francisco, Cal.
Herron Pump and Foundry Company, Chattanooga, Tenn.
Hoffmann & Billings Manufacturing Company, Milwaukee, Wis.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Howard Iron Works, Buffalo, N. Y.
Humphrey & Sons, Joliet, Ill.
Indianapolis Foundry Company, Indianapolis, Ind.
Interstate Foundry Company, Cleveland, Ohio.
Illinois Malleable Iron Company, Chicago, Ill.
Jackson & Church Company, Saginaw, Mich.
Jarecki Manufacturing Company, Erie, Pa.
The S. Jarvis Adams Company, Pittsburg, Pa.
Judson Governor Company, Rochester, N. Y.
Judson Manufacturing Company, San Francisco, Cal.
Kelly & Jones Company, New York.
Kelly Foundry and Machine Company, Goshen, Ind.
The Kennedy Valve Manufacturing Company, New York.
Lane & Bodley Company, Cincinnati, Ohio.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
Llewellyn Iron Works, Los Angeles, Cal.
Lobdell Car Wheel Company, Wilmington, Del.
Lombard Iron Works and Supply Company, Augusta, Ga.
Love Brothers, Inc., Aurora, Kane County, Ill.
McClave Brooks Company, Scranton, Pa.
Macbeth Iron Company, Cleveland, Ohio.

to manufacturers whose names are given in this book.

479—CASTINGS, IRON—Continued.

Mackintosh, Hemphill & Co., Pittsburg, Pa.
Marshutz & Cantrell, San Francisco, Cal.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
The Meisel Manufacturing Company, Port Huron, Mich.
Mesta Machine Company, Pittsburg, Pa.
Moran Bros. Company, Seattle, Wash.
Munson Bros. Company, Utica, N. Y.
National Iron Company, West Duluth, Minn.
New England Butt Company, Providence, R. I.
Nordyke & Marmon Company, Indianapolis, Ind.
Palmers & DeMooy Foundry Company, Cleveland, Ohio.
The Pattin Bros. Company, Marietta, Ohio.
Pittsburgh Manufacturing Company, Pittsburg, Pa.
Pittsburg Valve, Foundry and Construction Company, Pittsburg, Pa.
The Portland Company, Portland, Me.
Price-Evans Foundry Company, Chattanooga, Tenn.
Quintard Iron Works Company, New York.
Ramapo Iron Works, New York.
Riverside Foundry Company, Cleveland, Ohio.
Ross Meehan Foundry Company, Chattanooga, Tenn.
Russel Wheel and Foundry Company, Detroit, Mich.
St. Louis Car Company, St. Louis, Mo.
The Sessions Foundry Company, Bristol, Conn.
T. Shriver & Co., New York.
Smith & Anthony Company, Boston, Mass.
Standard Malleable Iron Company, Muskegon Heights, Mich.
Sterrit-Thomas Foundry Company, Pittsburg, Pa.
The Stirling Company, Chicago, Ill.
A. L. Swett Iron Works, Medina, N. Y.
Tarrant Foundry Company, Chicago, Ill.
The Samuel C. Tatum Company, Cincinnati, Ohio.
Taylor & Boggis Foundry Company, Cleveland, Ohio.
Taylor, Stiles & Co., Riegelsville, N. J.
Textile Machine Works, Reading, Pa.
M. H. Treadwell & Co., of Pa., Lebanon, Pa.
United Engineering and Foundry Company, Pittsburg, Pa.
Universal Caster and Foundry Company, New York.
Vaughn Machine Company, Peabody, Mass.
Walworth Manufacturing Company, Boston, Mass.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
R. D. Wood & Co., Philadelphia, Pa.
Wrightsville Hardware Company, Wrightsville, Pa.
The Youngstown Steel Company, Youngstown, Ohio.

480—CASTINGS, LOCOMOTIVE.

American Locomotive Company, New York.
The Bass Foundry and Machine Company, Fort Wayne, Ind.
Damascus Bronze Company, Pittsburg, Pa.
The Dimmick Pipe Company, Birmingham, Ala.
Gould Coupler Company, New York.
Lobdell Car Wheel Company, Wilmington, Del.
McConway & Torley Company, Pittsburg, Pa.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
Pratt & Letchworth Company, Buffalo, N. Y.
Ross Meehan Foundry Company, Chattanooga, Tenn.
Standard Steel Works, Philadelphia, Pa.
Taylor Iron and Steel Company, High Bridge, N. J.
Union Steel Casting Company, Pittsburg, Pa.

481—CASTINGS, MALLEABLE IRON.

Acme Foundry Company, Cleveland, Ohio.
Acme Steel and Malleable Iron Works, Buffalo, N. Y.
Bridgeport Malleable Iron Company, Bridgeport, Conn.
The Buckeye Steel Casting Company, Columbus, Ohio.
Buhl Malleable Company, Detroit, Mich.
Chain Belt Company, Milwaukee, Wis.
The Chisholm & Moore Manufacturing Company, Cleveland, Ohio.
Crane Company, Chicago, Ill.
Dayton Malleable Iron Company, Dayton, Ohio.
Detroit Lubricator Company, Detroit, Mich.
Eberhard Manufacturing Company, Cleveland, Ohio.
Erie Malleable Iron Company, Erie, Pa.
The Flynn & Emrich Company, Baltimore, Md.
Forest City Foundry and Manufacturing Company, Cleveland, Ohio.
General Fire Extinguisher Company, Providence, R. I.
Gould Coupler Company, New York.
Grand Rapids Malleable Company, Grand Rapids, Mich.
Haines, Jones & Cadbury Company, Philadelphia, Pa.
Hoffmann & Billings Manufacturing Company, Milwaukee, Wis.
Illinois Malleable Iron Company, Chicago, Ill.
Jarecki Manufacturing Company, Erie, Pa.
Judson Governor Company, Rochester, N. Y.
The Kelly & Jones Company, New York.
The Kennedy Valve Manufacturing Company, New York.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
Lunkenheimer Company, Cincinnati, Ohio.
Malleable Iron Fittings Company, Branford, Conn.
McConway & Torley Company, Pittsburg, Pa.
National Malleable Castings Company, Cleveland, Ohio.
North-Western Malleable Iron Company, Milwaukee, Wis.
Pittsburg Malleable Iron Company, Pittsburg, Pa.
Pittsburgh Manufacturing Company, Pittsburg, Pa.
Pratt & Letchworth Company, Buffalo, N. Y.
Roe Stephens Manufacturing Company, Detroit, Mich.
Ross Meehan Foundry Company, Chattanooga, Tenn.
St. Louis Car Company, St. Louis, Mo.
John Simmons Company, New York.
Standard Malleable Iron Company, Muskegon Heights, Mich.
Stanley G. Flagg & Co., Philadelphia, Pa.
The Struthers Furnace Company, Cleveland, Ohio.
A. L. Swett Iron Works, Medina, N. Y.
Syracuse Malleable Iron Works, Syracuse, N. Y.
Union Malleable Iron Company, East Moline, Ill.

482—CASTINGS, MANGANESE BRONZE.

(See Bronze, Manganese.)

483—CASTINGS, NICKEL STEEL.

Midvale Steel Company, Philadelphia, Pa.

484—CASTINGS, PHOSPHOR-BRONZE.

(See Bronze, Phosphor.)

485—CASTINGS, RAILROAD TRACK EQUIPMENT.

Bingham & Taylor, Buffalo, N. Y.
Bridgeport Malleable Iron Company, Bridgeport, Conn.
The Chisholm & Moore Manufacturing Company, Cleveland, Ohio.
The Cleveland Frog and Crossing Company, Cleveland, Ohio.
Dayton Malleable Iron Company, Dayton, Ohio.

485—CASTINGS, RAILROAD TRACK EQUIPMENT—Continued.

Edwin Harrington, Son & Co., Inc., Philadelphia, Pa.
Illinois Malleable Iron Company, Chicago, Ill.
Love Brothers, Inc., Aurora, Kane County, Ill.
Morden Frog and Crossing Works, Chicago, Ill.
National Malleable Castings Company, Cleveland, Ohio.
Northern Engineering Works, Detroit, Mich.
North-Western Malleable Iron Company, Milwaukee, Wis.
Pennsylvania Steel Company, Philadelphia, Pa.
Pittsburg Malleable Iron Company, Pittsburg, Pa.
Pratt & Letchworth Company, Buffalo, N. Y.
Ramapo Iron Works, New York.
Standard Steel Works, Philadelphia, Pa.
Wendell & MacDuffie, New York.

486—CASTINGS, SEMI-STEEL.

The Bass Foundry and Machine Company, Fort Wayne, Ind.
The A. & F. Brown Company, New York.
Crane Company, Chicago, Ill.
The Francis & Nygren Foundry Company, Chicago, Ill.
Lobdell Car Wheel Company, Wilmington, Del.
Malleable Iron Fittings Company, Branford, Conn.
United Engineering and Foundry Company, Pittsburg, Pa.

487—CASTINGS, SPECIAL BRONZE.

(See Bronze, Special.)

488—CASTINGS, STEEL.

Acme Steel and Malleable Iron Works, Buffalo, N. Y.
American Brake Shoe and Foundry Company, New York.
Benjamin Atha & Co., Newark, N. J.
Bethlehem Steel Company, South Bethlehem, Pa.
Brylgon Steel Casting Company, New Castle, Del.
A. Buch's Sons Company, Elizabethtown, Pa.
The Buckeye Steel Castings Company, Columbus, Ohio.
Chattanooga Car and Foundry Company, Chattanooga, Tenn.
Chrome Steel Works, Brooklyn, N. Y.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Eureka Foundry Company, Chattanooga, Tenn.
Farrar & Trefts, Buffalo, N. Y.
The Flynn & Emrich Company, Baltimore, Md.
Gould Coupler Company, New York.
Grand Rapids Brass Company, Grand Rapids, Mich.
Harrisburg Manufacturing and Boiler Company, Harrisburg, Pa.
Judson Manufacturing Company, San Francisco, Cal.
Llewellyn Iron Works, Los Angeles, Cal.
McConway & Torley Company, Pittsburg, Pa.
Mackintosh, Hemphill & Co., Pittsburg, Pa.
Malleable Iron Fittings Company, Branford, Conn.
Mesta Machine Company, Pittsburg, Pa.
Midvale Steel Company, Philadelphia, Pa.
Moran Bros. Company, Seattle, Wash.
Otis Steel Company, Ltd., Cleveland, Ohio.
Pennsylvania Steel Company, Philadelphia, Pa.
Pratt & Letchworth Company, Buffalo, N. Y.
Quintard Iron Works Company, New York.
Scullin-Gallagher Iron and Steel Company, St. Louis, Mo.
Standard Steel Works, Philadelphia, Pa.
Stanley G. Flagg & Co., Philadelphia, Pa.
Tarrant Foundry Company, Chicago, Ill.

488—CASTINGS, STEEL—Continued.

Taylor Iron and Steel Company, High Bridge, N. J.
M. H. Treadwell & Co., of Pa., Lebanon, Pa.
Union Steel Casting Company, Pittsburg, Pa.
United Engineering and Foundry Company, Pittsburg, Pa.

489—CASTINGS, WHITE BRASS.

William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Paul S. Reeves & Son, Philadelphia, Pa.

490—CASTINGS, ZINC.

Johnson Service Company, Milwaukee, Wis.

491—CASTS, ORNAMENTAL PLASTER.

Atlanta Terra Cotta Company, Atlanta, Ga.
Samuel H. French & Co., Philadelphia, Pa.

492—CEILING, METAL.

American Sheet and Tin Plate Company, Pittsburg, Pa.
Berger Manufacturing Company, Canton, Ohio.
The Kinnear & Gager Company, Columbus, Ohio.
Klauer Manufacturing Company, Dubuque, Iowa.
W. H. Mullins, Salem, Ohio.

493—CEILING, WOOD.

D. W. Alderman & Sons Company, Alcolu, S. C.
American Parquetry Floor Company, Philadelphia, Pa.
Louis Bossert & Son, Brooklyn, N. Y.
The Central Sash and Door Company, Topeka, Kan.
The M. B. Farrin Lumber Company, Cincinnati, Ohio.
Foster Lumber Company, Indianapolis, Ind.
Henry Gaus & Sons Manufacturing Company, St. Louis, Mo.
The Hallack & Howard Lumber Company Denver, Col.
C. A. Hooper & Co., San Francisco, Cal.
Paine Lumber Company, Ltd., Oshkosh, Wis.
Rhinesmith & Simonson, Fort Wayne, Ind.
Scott-Graff Lumber Company, Duluth, Minn.
Tacoma Mill Company, San Francisco, Cal.
Henry Taylor Lumber Company, Lafayette, Ind.
A. & S. Wilson Company, Pittsburg, Pa.

494—CELERY SALT.

Dodson-Braun Manufacturing Company, St. Louis, Mo.
E. C. Hazard & Co., New York.

495—CEMENT, BELT.

Akron Belting Company, Akron, Ohio.
Alexander Brothers, Philadelphia, Pa.
Bradford Belting Company, Cincinnati, Ohio.
Chicago Belting Company, Chicago, Ill.
Jewell Belting Company, Hartford, Conn.
New York Leather Belting Company, New York.
Page Belting Company, Concord, N. H.
Charles A. Schieren & Co., New York.
Shultz Belting Company, St. Louis, Mo.

496—CEMENT, BOILER.

Pecora Paint Company Philadelphia, Pa.
H. F. Watson Company, Erie, Pa.

497—CEMENT, FURNACE AND STOVE.

Pecora Paint Company, Philadelphia, Pa.

to manufacturers whose names are given in this book.

498—CEMENT, HYDRAULIC.

Atlas Portland Cement Company, New York.
Buffalo Cement Company, Ltd., Buffalo, N. Y.
Hammill & Gillespie, New York.
Lawrence Cement Company, New York.
Munson Bros. Company, Utica, N. Y.
Utica Cement Manufacturing Company, Utica, Ill.
Utica Hydraulic Cement Company, Utica, Ill.
H. F. Watson Company, Erie, Pa.
Western Cement Company, Louisville, Ky.

499—CEMENT, LEATHER.

Grieb Rubber Company, Philadelphia, Pa.
The Sewing Machine Supplies Company, Boston, Mass.

500—CEMENT, PORTLAND.

Alpha Portland Cement Company, Easton, Pa.
Atlas Portland Cement Company, New York.
Cyrus Borgner Company, Philadelphia, Pa.
Brier Hill Iron and Coal Company, Youngstown, Ohio.
Buffalo Cement Company, Ltd., Buffalo, N. Y.
Castalia Portland Cement Company, Pittsburg, Pa.
Chicago Portland Cement Company, Chicago, Ill.
Samuel H. French & Co., Philadelphia, Pa.
Illinois Steel Company, Chicago, Ill.
The Kendrick Promotion Company, Denver, Col.
Lawrence Cement Company, New York.
Lehigh Portland Cement Company, Allentown, Pa.
Portland Cement Company of Utah, Ltd., Salt Lake City, Utah
Sandusky Portland Cement Company, Sandusky, Ohio.
The Struthers Furnace Company, Cleveland, Ohio.
Vulcanite Portland Cement Company, Philadelphia, Pa.
Whitehall Portland Cement Company, Philadelphia, Pa.

501—CEMENT, ROOFING.

Philip Carey Manufacturing Company, Lockland, Ohio.
Grieb Rubber Company, Philadelphia, Pa.
Pecora Paint Company, Philadelphia, Pa.
Warren-Ehret Company, Philadelphia, Pa.
H. F. Watson Company, Erie, Pa.

502—CEMENT, RUBBER.

B. F. Goodrich Company, Akron, Ohio.
Grieb Rubber Company Philadelphia, Pa.

503—CEMENT, SLAG.

Brier Hill Iron and Coal Company, Youngstown, Ohio.
Stewart Iron Company, Ltd., Sharon, Pa.

504—CEREALS (GRAIN).

The N. C. Foster Lumber Company, Fairchild, Wis.
Miner-Hillard Milling Company, Wilkes-Barre, Pa.
H. W. Rickel & Co., Detroit, Mich.
Sperry Flour Company, San Francisco, Cal.

505—CEREALS, PREPARED.

American Hominy Company, Indianapolis, Ind.
Bloomington Canning Company, Bloomington, Ill.
Cream of Wheat Company, Minneapolis, Minn.
E. C. Hazard & Co., New York.
H-O (Hornby's Oatmeal) Company, Buffalo, N. Y.

505—CEREALS, PREPARED—Continued.

Francis H. Leggett & Co., New York.
Malta-Vita Pure Food Company, Battle Creek, Mich.
Miner-Hillard Milling Company, Wilkes-Barre, Pa.
Postum Cereal Company, Ltd., Battle Creek, Mich.
Yates & Donelson Company, Memphis, Tenn.

506—CHAIN PARTS.

Eberhard Manufacturing Company, Cleveland, Ohio.
Link-Belt Machinery Company, Chicago, Ill.
James McKay & Co., Pittsburg, Pa.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Todd Manufacturing Company, New Albany, Ind.
Transue & Williams Company, Alliance, Ohio.

507—CHAIN, JACK AND SAFETY.

James McKay & Co., Pittsburg, Pa.
The Plume & Atwood Manufacturing Company, New York.
Sargent & Co., New York.

508—CHAINS.

Boland & Gschwind Company, New Orleans, La.
Bridgeport Chain Company, Bridgeport, Conn.
Buhl Malleable Company, Detroit, Mich.
Chain Belt Company, Milwaukee, Wis.
Covert Manufacturing Company, West Troy, N. Y.
Federal Manufacturing Company, Cleveland, Ohio.
Filer & Stowell Company, Milwaukee, Wis.
William H. Haskell Manufacturing Company, Pawtucket, R. I.
Jeffrey Manufacturing Company, Columbus, Ohio.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
James McKay & Co., Pittsburg, Pa.
North-Western Malleable Iron Company, Milwaukee, Wis.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Oliver Iron and Steel Company, Pittsburg, Pa.
Standard Chain Company, Pittsburg, Pa.
Taylor Iron and Steel Company, High Bridge, N. J.
Todd Manufacturing Company, New Albany, Ind.
Union Malleable Iron Company, East Moline, Ill.
Whitney Manufacturing Company, Hartford, Conn.
Wiebusch & Hilger, Ltd., New York.

509—CHAINS, BICYCLE.

(See Chains, Sprocket.)

510—CHAINS, GOLD.

American Optical Company, Southbridge, Mass.
B. A. Ballou & Co., Providence, R. I.
Carter, Howe & Co., New York.
R. R. Fogel & Co., New York.
Hamilton & Hamilton, Jr., Providence, R. I.
R. F. Simmons Company, Attleboro, Mass.
E. L. Spencer Company, Inc., Providence, R. I.
Stern Bros. & Co., New York.

511—CHAINS, GOLD FILLED AND PLATED.

American Optical Company, Southbridge, Mass.
S. O. Bigney Company, Attleboro, Mass.
D. F. Briggs Company, Attleboro, Mass.

511—CHAINS, GOLD FILLED AND PLATED—Continued.

R. R. Fogel & Co., New York.
Theodore W. Foster & Bro. Company, Providence, R. I.
Hamilton & Hamilton, Jr., Providence, R. I.
Walter E. Hayward, Attleboro, Mass.
R. F. Simmons Company, Attleboro, Mass.

512—CHAINS, SPROCKET.

Buhl Malleable Company, Detroit, Mich.
John H. Graham & Co., New York.
James McKay & Co., Pittsburg, Pa.
Medart Patent Pulley Company, St. Louis, Mo.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
Whitney Manufacturing Company, Hartford, Conn.

513—CHAINS, WIRE.

Bridgeport Chain Company, Bridgeport, Conn.
The J. Roylance Brass Works, San Francisco, Cal.
Smith & Egge Manufacturing Company, Bridgeport, Conn.

514—CHAIR SEATS, LEATHER.

Crocker Chair Company, Sheboygan, Wis.
J. S. Ford, Johnson & Co., Chicago, Ill.
Jamestown Lounge Company, Jamestown, N. Y.
L. W. Ott Manufacturing Company, Indianapolis, Ind.
The Parkersburg Chair Company, Parkersburg, W. Va.

515—CHAIRS.

The A. H. Andrews Company, Chicago, Ill.
Binghamton Chair Company, Binghamton, N. Y.
Carmen Manufacturing Company, Tacoma, Wash.
Chattanooga Furniture Company, Chattanooga, Tenn.
Cochran Chair Company, Cochran, Ind.
Crocker Chair Company, Sheboygan, Wis.
The Davis Chair Company, Marysville, Ohio.
H. C. Dexter Chair Company, Black River, N. Y.
Emrich Furniture Company, Indianapolis, Ind.
R. O. Evans & Co., Owensboro, Ky.
J. S. Ford, Johnson & Co., Chicago, Ill.
Frankfort Chair Company, Frankfort, Ky.
Gregory, Mayer & Thom Company, Detroit, Mich.
Hale Company, New York.
Hubbard & Eldredge Company, Rochester, N. Y.
Langslow-Fowler Company, Rochester, N. Y.
The Lee Chair Company, Oneida, N. Y.
F. H. Logeman Chair Manufacturing Company, St. Louis, Mo.
Marietta Chair Company, Marietta, Ohio.
Michigan Chair Company, Grand Rapids, Mich.
W. S. Milne, Cleveland, Tenn.
Murphy Chair Company, Detroit, Mich.
National Novelty Corporation, New York.
New Jersey School-Church Furniture Company, Trenton, N. J.
Oriel Cabinet Company, Grand Rapids, Mich.
L. W. Ott Manufacturing Company, Indianapolis, Ind.
The Parkersburg Chair Company, Parkersburg, W. Va.
Phoenix Chair Company, Sheboygan, Wis.
Phoenix Furniture Company, Grand Rapids, Mich.
Sheboygan Chair Company, Sheboygan, Wis.
Sikes Chair Company, Buffalo, N. Y.
Standard Chair Company, Union City, Pa.

515—CHAIRS—Continued.

Stickley & Brandt Chair Company, Binghamton, N. Y.
Stickley Brothers Company, Grand Rapids, Mich.
The Stomps-Burkhardt Company, Dayton, Ohio.
William Tonk & Bro., Inc., New York.
Webster Manufacturing Company, Superior, Wis.

516—CHAIRS, BABIES' BOUNCING.

National Novelty Corporation, New York.

517—CHAIRS, DENTAL.

Consolidated Dental Manufacturing Company, New York.
The Hamilton Manufacturing Company, Two Rivers, Wis.
The Ransom & Randolph Company, Toledo, Ohio.
S. S. White Dental Manufacturing Company, Philadelphia, Pa.

518—CHAIRS, FOLDING.

American School Furniture Company, Chicago, Ill.
Kelly Foundry and Machine Company, Goshen, Ind.
National Novelty Corporation, New York.
New Jersey School-Church Furniture Company, Trenton, N. J.
The Charles Parker Company, Meriden, Conn.
The Simmons Manufacturing Company, Chicago, Ill.
The Van Dorn Iron Works Company, Cleveland, Ohio.

519—CHAIRS, INVALID.

W. D. Allison Company, Indianapolis, Ind.
Gendron Wheel Company, Toledo, Ohio.

520—CHAIRS, METAL.

The A. H. Andrews Company, Chicago, Ill.
The Champion Iron Company, Kenton, Ohio.
Greenpoint Metallic Bed Company, Brooklyn, N. Y.
Hench, Dromgold & Co., York, Pa.
F. H. Logeman Chair Manufacturing Company, St. Louis, Mo.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
The J. L. Mott Iron Works, New York.
National Novelty Corporation, New York.
The Charles Parker Company, Meriden, Conn.
Price-Evans Foundry Company, Chattanooga, Tenn.
A. L. Swett Iron Works, Medina, N. Y.
The Van Dorn Iron Works Company, Cleveland, Ohio.

521—CHAIRS, PHOTOGRAPHERS'.

The Davis Chair Company, Marysville, Ohio.

522—CHAIRS, RAILWAY CAR.

American School Furniture Company, Chicago, Ill.
Hale & Kilburn Manufacturing Company, Philadelphia, Pa.
The Hamilton Manufacturing Company, Two Rivers, Wis.

523—CHAIRS, SPRING BACK.

The Davis Chair Company, Marysville, Ohio.
Michigan Chair Company, Grand Rapids, Mich.
Stickley & Brandt Chair Company, Binghamton, N. Y.

524—CHAIRS, SURGICAL.

W. D. Allison Company, Indianapolis, Ind.
Greenpoint Metallic Bed Company, Brooklyn, N. Y.
Kny-Scheerer Company, New York.

525—CHAIRS, THEATRE.

American School Furniture Company, Chicago, Ill.
The A. H. Andrews Company, Chicago, Ill.
R. O. Evans & Co., Owensboro, Ky.
New Jersey School-Church Furniture Company, Trenton, N. J.

526—CHALK, BILLIARD.

The Brunswick-Balke-Collender Company, New York.
B. A. Stevens, Toledo, Ohio.

527—CHAMBRAYS.

Holt-Granite Manufacturing Company, Haw River, N. C.
Manville Company, Providence, R. I.
Massachusetts Cotton Mills, Boston, Mass.
Warren Manufacturing Company, Warren, R. I.

528—CHANDELIERS.

Cassidy & Son Manufacturing Company, New York.
The Jennings Brothers Manufacturing Company, Bridgeport, Conn.
Edward Miller & Co., Meriden, Conn.
The Charles Parker Company, Meriden, Conn.

529—CHARCOAL, WOOD.

The Union Coal and Coke Company, Denver, Col.
W. D. Young & Co., Bay City, W. S., Mich.

530—CHARTS AND MAPS.

(See Maps.)

531—CHECKS, BAGGAGE.

American Tag Company, Chicago, Ill.
The J. F. W. Dorman Company, Baltimore, Md.
A. H. Peirce Manufacturing Company, Chicago, Ill.

532—CHECKS, DOOR.

Angle Manufacturing Company, New York.
P. & F. Corbin, New Britain, Conn.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Reading Hardware Company, Reading, Pa.
Russell & Erwin Manufacturing Company, New Britain, Conn.
Sargent & Co., New York.
Yale & Towne Manufacturing Company, New York.

533—CHEMICALS.

American Dyewood Company, Philadelphia, Pa.
Anatron Chemical Company, New York.
F. E. Atteaux & Co., Boston, Mass.
Barrett Manufacturing Company, New York.
Billings Clapp Company, Boston, Mass.
The Bull's Ferry Chemical Company, Shadyside, N. J.
Cochrane Chemical Company, Boston, Mass.
Columbia Chemical Company, Pittsburg, Pa.
Erie Chemical Works, Erie, Pa.
Grasselli Chemical Company, New York.
Hammill & Gillespie, New York.
The G. F. Harvey Company, Saratoga Springs, N. Y.
The Heyden Chemical Works, New York.
Franklin H. Kalbfleisch Company, New York.
Larkin & Scheffer Chemical Company, St. Louis, Mo.
Charles Lennig & Co., Inc., Philadelphia, Pa.
Mallinckrodt Chemical Works, St. Louis, Mo.

533—CHEMICALS—Continued.

Merrimac Chemical Company, Boston, Mass.
Herman A. Metz, New York.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
Charles Pfizer & Co., New York.
Roessler & Hasslacher Chemical Company, New York.
Rosengarten & Sons, Inc., Philadelphia, Pa.
United Zinc and Chemical Company, Kansas City, Mo.
Virginia-Carolina Chemical Company, Richmond, Va.
The Western Chemical Manufacturing Company, Denver, Col.
W. D. Young & Co., West Bay City, Mich.

534—CHEMICALS FOR DYE WORKS.

(See Dyeing Materials.)

535—CHEMISTS' AND ASSAYERS' SUPPLIES.

Bausch & Lomb Optical Company, Rochester, N. Y.
Frank S. Betz Company, Chicago, Ill.
The Denver Fire Clay Company, Denver, Col.
Doubleday-Hill Electric Company, Pittsburg, Pa.
W. & L. E. Gurley, Inc., Troy, N. Y.
Hoffman-Ahlers Company, Inc., Cincinnati, Ohio.
Franklin H. Kalbfleisch Company, New York.
Charles Lennig & Co., Inc., Philadelphia, Pa.
The Lippincott Glass Company, Alexandria, Ind.
Mallinckrodt Chemical Works, St. Louis, Mo.
Parke, Davis & Co., Detroit, Mich.
Pass & Seymour, Inc., Solvay, N. Y.
Roessler & Hasslacher Chemical Company, New York.
C. H. Stoelting Company, Chicago, Ill.
Trenton Potteries Company, Trenton, N. J.
Whitall-Tatum Company, New York.

536—CHEVIOTS, COTTON.

Aberfoyle Manufacturing Company, Chester, Pa.
Arnold Print Works, North Adams, Mass.
Eagle and Phenix Mills, Columbus, Ga.
Glencoe Mills, Burlington, N. C.
Hamburger Cotton Mills, Columbus, Ga.
Holt-Granite Manufacturing Company, Haw River, N. C.
Meridian Cotton Mills, Meridian, Miss.

537—CHEVIOTS, WOOLEN.

American Woolen Company, Boston, Mass.
Arnold Print Works, North Adams, Mass.
Concord Manufacturing Company, Penacook, N. H.
W. J. Dickey & Sons, Baltimore, Md.
Thomas Kitson & Son, Stroudsburg, Pa.
Lymansville Company, Providence, R. I.
Peace Dale Manufacturing Company, Peace Dale, R. I.
Southwark Mills Company, Philadelphia, Pa.
Talbot Mills, North Billerica, Mass.

538—CHIMNEYS, LAMP.

Corning Glass Works, Corning, N. Y.
C. Dorflinger & Sons, New York.
Gill Brothers Company, Steubenville, Ohio.
Gillinder & Sons, Inc., Philadelphia, Pa.
The Lippincott Glass Company, Alexandria, Ind.
Macbeth-Evans Glass Company, Pittsburg, Pa.
Sargent Glass Company, Evansville, Ind.

539—CHINAWARE.

The American China Company, Toronto, Ohio.
Cook Pottery Company, Trenton, N. J.
The East Liverpool Potteries Company, East Liverpool, Ohio.
The Great Western Pottery Company, Kokomo, Ind.
The Knowles, Taylor & Knowles Company, East Liverpool, Ohio.
The Homer Laughlin China Company, East Liverpool, Ohio.
The Mayer Pottery Company, Ltd., Beaver Falls, Pa.
The Onondaga Pottery Company, Syracuse, N. Y.
The Roseville Pottery Company, Zanesville, Ohio.
Sebring Pottery Company, Sebring, Ohio.
The Sevres China Company, East Liverpool, Ohio.
The Standard Pottery Company, East Liverpool, Ohio.
The Steubenville Pottery Company, Steubenville, Ohio.
Trenton Potteries Company, Trenton, N. J.

540—CHIPS, PLAYING.

(See also Novelties, Celluloid.)

Auburn Button Works, Auburn, N. Y.

541—CHISELS, COLD.

W. H. Anderson & Sons, Inc., Detroit, Mich.
Billings & Spencer Company, Hartford, Conn.
C. E. Jennings & Co., New York.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Rockford Bit Company, Kokomo, Ind.
Sargent & Co., New York.
Transue & Williams Company, Alliance, Ohio.

542—CHLOROFORM.

Roessler & Hasslacher Chemical Company, New York.

543—CHOCOLATES.

The George Blome & Son Company, Baltimore, Md.
Walter M. Lowney Company, Boston, Mass.
National Candy Company, St. Louis, Mo.
W. F. Schrafft & Sons, Boston, Mass.
Wallace & Co., New York.
H. O. Wilbur & Sons, Philadelphia, Pa.

544—CHOPPERS, FOOD.

Josiah Anstice & Co., Rochester, N. Y.
George H. Bishop & Co., Lawrenceburg, Ind.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.
The Evansville Tool Works, Evansville, Ind.
Bernard Gloekler, Pittsburg, Pa.
John H. Graham & Co., New York.
The Griswold Manufacturing Company, Erie, Pa.
Landers, Frary & Clark, New Britain, Conn.
North Brothers Manufacturing Company, Philadelphia, Pa.
Peck, Stow & Wilcox Company, Southington, Conn.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Russell & Erwin Manufacturing Company, New Britain, Conn.
Sargent & Co., New York.
Troy Nickel Works and Albany Foundry Company, Albany, N. Y.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.

545—CHROME.

Harbison-Walker Refractories Company, Pittsburg, Pa.

546—CHUCKS, DRILL.

Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Cleveland Twist Drill Company, Cleveland, Ohio.
John S. Fray & Co., Bridgeport, Conn.
Gisholt Machine Company, Madison, Wis.
Goodell-Pratt Company, Greenfield, Mass.
Gould & Eberhardt, Newark, N. J.
E. Horton & Son Company, Windsor Locks, Conn.
Manning, Maxwell & Moore, New York.
Morse Twist Drill and Machine Company, New Bedford, Mass.
New Haven Manufacturing Company, New Haven, Conn.
Standard Tool Company, Cleveland, Ohio.
Trump Brothers Machine Company, Wilmington, Del.
H. B. Underwood & Co., Philadelphia, Pa.
Whitney Manufacturing Company, Hartford, Conn.

547—CHUCKS, LATHE.

Gisholt Machine Company, Madison, Wis.
Gould & Eberhardt, Newark, N. J.
Hoggson & Pettis Manufacturing Company, New Haven, Conn.
E. Horton & Son Company, Windsor Locks, Conn.
Manning, Maxwell & Moore, New York.
Morse Twist Drill and Machine Company, New Bedford, Mass.
New Haven Manufacturing Company, New Haven, Conn.
Norton Emery Wheel Company, Worcester, Mass.
Potter & Johnston Machine Company, Pawtucket, R. I.
Seneca Falls Manufacturing Company, Seneca Falls, N. Y.
Trump Brothers Machine Company, Wilmington, Del.
The Warner & Swasey Company, Cleveland, Ohio.

548—CHURNS.

H. P. Deuscher Company, Hamilton, Ohio.
Richmond Cedar Works, Richmond, Va.
Vermont Farm Machine Company, Bellows Falls, Vt.

549—CHUTES, COAL.

Lansing Wheelbarrow Company, Lansing, Mich.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.

550—CIGAR LIGHTERS, ELECTRIC.

Stanley & Patterson, Inc., New York.

551—CIGARS.

Barnes, Smith & Co., Binghamton, N. Y.
The Deisel-Wemmer Company, Lima, Ohio.
Ferd. Haak, Davenport, Iowa.
Hart & Murphy, St. Paul, Minn.
Hull, Grummond & Co., Binghamton, N. Y.
The R. & W. Jenkinson Company, Pittsburg, Pa.
George A. Kent Company, Binghamton, N. Y.

552—CIGARETTES.

Martin Bros., New York.

553—CINCHONINE AND CINCHONIDINE.

Rosengarten & Sons, Inc., Philadelphia, Pa.

554—CIRCUIT BREAKERS, AUTOMATIC.

Bossert Electric Construction Company, Utica, N. Y.
Chase-Shawmut Company, Newburyport, Mass.
Crouse-Hinds Company, Syracuse, N. Y.

554—CIRCUIT BREAKERS, AUTOMATIC—Continued.

Cutter Electrical and Manufacturing Company, New York.
Electrical Manufacturers' Export Company, New York.
Fort Wayne Electric Works, Inc., Fort Wayne, Ind.
The Jones Electrical Company, New York.
Peru Electric Manufacturing Company, Peru, Ind.
Pettingell-Andrews Company, Boston, Mass.
Stanley & Patterson, Inc., New York.
Westinghouse Electric and Manufacturing Company, Pittsburg, Pa.

555—CLAMPS.

American Wood Working Machinery Company, New York.
Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Eberhard Manufacturing Company, Cleveland, Ohio.
Goodell-Pratt Company, Greenfield, Mass.
John H. Graham & Co., New York.
Grand Rapids Hand Screw Company Grand Rapids, Mich.
E. Horton & Son Company, Windsor Locks, Conn.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Manning, Maxwell & Moore, New York.
Morden Frog and Crossing Works, Chicago, Ill.
Morse Twist Drill and Machine Company, New Bedford, Mass.
National Novelty Corporation, New York.
Reed Manufacturing Company, Erie, Pa.
Sandusky Tool Company, Sandusky, Ohio.
Sargent & Co., New York.
L. S. Starrett Company, Athol, Mass.
Tower & Lyon Company, New York.

556—CLAMPS, BOILER.

The Brownell Company, Dayton, Ohio.
Glasgow Iron Company, Pottstown, Pa.
Nordyke & Marmon Company, Indianapolis, Ind.
Transue & Williams Company, Alliance, Ohio.

557—CLAY, FIRE, POT AND OTHER.

Cyrus Borgner Company, Philadelphia, Pa.
The Bridgeport Crucible Company, Bridgeport, Conn.
Christy Fire Clay Company, St. Louis, Mo.
N. Clark & Sons, San Francisco, Cal.
The Denver Fire Clay Company, Denver, Col.
Denver Sewer Pipe and Clay Company, Denver, Col.
W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.
Evens & Howard Fire Brick Company, St. Louis, Mo.
Gladding, McBean & Co., San Francisco, Cal.
Hammill & Gillespie, New York.
Harbison-Walker Refractories Company, Pittsburg, Pa.
The Kendrick Promotion Company, Denver, Col.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
Monmouth Mining and Manufacturing Company, Monmouth, Ill
Montague & Co., Chattanooga, Tenn.
Myers Clay Manufacturing Company, Toronto, Ohio.
Ostrander Fire Brick Company, Troy, N. Y.
Parker-Russell Mining and Manufacturing Company, St. Louis, Mo.
Robinson Clay Product Company, Akron, Ohio.
H. Stevens' Sons Company, Macon, Ga.
M. D. Valentine & Brother Company, Woodbridge, N. J.

558—CLAY GOODS.

(See Pottery, also Earthenware.)

559—CLEANERS, BOILER TUBE.

Kelly & Jones Company, New York.
Manning, Maxwell & Moore, New York.
Michigan Lubricator Company, Detroit, Mich.
Power Specialty Company, Detroit, Mich.
Sherwood Manufacturing Company, Buffalo, N. Y.

560—CLEANERS, COFFEE.

Blymyer Iron Works Company, Cincinnati, Ohio.
Engelberg Huller Company, Syracuse, N. Y.

561—CLEANERS, FILE.

Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Nicholson File Company, Providence, R. I.

562—CLEANERS, GRAIN.

Barnard & Leas Manufacturing Company, Moline, Ill.
J. I. Case Threshing Machine Company, Racine, Wis.
Clarage Foundry and Manufacturing Company, Kalamazoo, Mich.
Engelberg Huller Company, Syracuse, N. Y.
The S. Freeman & Sons Manufacturing Company, Racine, Wis.
Hench, Dromgold & Co., York, Pa.
Huber Manufacturing Company, Marion, Ohio.
Huntley Manufacturing Company, Silver Creek, N. Y.
Marseilles Manufacturing Company, Marseilles, Ill.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Nordyke & Marmon Company, Indianapolis, Ind.
Richmond City Mill Works, Richmond, Ind.
Sprout, Waldron & Co., Muncy, Pa.
Union Iron Works, Decatur, Ill.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.
The Wolf Company, Chambersburg, Pa.

563—CLEAVERS.

George H. Bishop & Co., Lawrenceburg, Ind.
The Evansville Tool Works, Evansville, Ind.
Fayette R. Plumb, Inc., Philadelphia, Pa.

564—CLIMBERS, LINEMEN'S.

Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Oliver Iron and Steel Company, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.

565—CLIPPERS, BOLT.

Acme Machinery Company, Cleveland, Ohio.
Chain Belt Company, Milwaukee, Wis.
Chambers Bros. Company, Philadelphia, Pa.
Thos. H. Dallett Company, Philadelphia, Pa.
Howard Iron Works, Buffalo, N. Y.
Manning, Maxwell & Moore, New York.
National Machinery Company, Tiffin, Ohio.
New Haven Manufacturing Company, New Haven, Conn.
H. K. Porter, Everett, Mass.
William Sellers & Co., Inc., Philadelphia, Pa.
Wells Bros. Company, Greenfield, Mass.

566—CLIPPERS, HORSE AND TOILET.

Chicago Flexible Shaft Company, Chicago, Ill.
John H. Graham & Co., New York.
Wiebusch & Hilger, Ltd., New York.

567—CLIPS, ELECTRIC CABLE.

Chase-Shawmut Company, Newburyport, Mass.
Electrical Manufacturers' Export Company, New York.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Standard Underground Cable Company, Pittsburg, Pa.

568—CLIPS, PAPER.

The Niagara Clip Company, New York.
Spencer Wire Company, Worcester, Mass.
Thomas Stationery Manufacturing Company, Springfield, Ohio.
The Weis Manufacturing Company, Toledo, Ohio.

569—CLOAKINGS.

American Woolen Company, Boston, Mass.
Concord Manufacturing Company, Penacook, N. H.
Raritan Woolen Mills, New York.
The S. N. & C. Russell Manufacturing Company, Pittsfield, Mass.
Southwark Mills Company, Philadelphia, Pa.
William Wood & Co., Philadelphia, Pa.

570—CLOCK CASES.

Aldine Grate and Mantel Company, Grand Rapids, Mich.
M. S. Benedict Manufacturing Company, East Syracuse, N. Y.
Waterbury Clock Company of New York, New York.

571—CLOCK PARTS.

Wm. L. Gilbert Clock Company, New York.
Trenton Watch Company, Trenton, N. J.
Waterbury Clock Company of New York, New York.

572—CLOCKS, ALARM AND OTHER.

American Steam Gauge and Valve Manufacturing Company, Boston, Mass.
Wm. L. Gilbert Clock Company, New York.
E. Ingraham Company, Bristol, Conn.
The Jennings Brothers Manufacturing Company, Bridgeport, Conn.
Royal Furniture Company, Grand Rapids, Mich.
C. F. Rumpp & Sons, Philadelphia, Pa.
Stanley & Patterson, Inc., New York.
Waterbury Clock Company of New York, New York.

573—CLOCKS, PNEUMATIC.

Johnson Service Company, Milwaukee, Wis.

574—CLOCKS, TIME RECORDING.

(See Registers, Time.)

575—CLOCKS, TOWER.

Johnson Service Company, Milwaukee, Wis.

576—CLOSETS, DRY.

Dayton Manufacturing Company, Dayton, Ohio.

577—CLOSETS, STEEL.

W. J. Clark Company, Salem, Ohio.
Merritt & Co., Inc., Philadelphia, Pa.
Jas. G. Wilson Manufacturing Company, New York.

578—CLOTH, ASBESTOS.

Philip Carey Manufacturing Company, Lockland, Ohio.
Hall & Carpenter, Philadelphia, Pa.
Keasbey & Mattison Company, Ambler, Pa.

579—CLOTHS, BICYCLE.

Warren Manufacturing Company, Warren, Md.

580—CLOTH, BOLTING (SILK).

Nordyke & Marmon Company, Indianapolis, Ind.

581—CLOTH, BOOK.

Joseph Bancroft & Sons Company, Wilmington, Del.
Interlaken Mills, Providence, R. I.

582—CLOTH, BROAD.

American Woolen Company, Boston, Mass.
Charlottesville Woolen Mills, Charlottesville, Va.
Deering, Milliken & Co., New York.
Folwell Bros. & Co., Inc., Philadelphia, Pa.
Southwark Mills Company, Philadelphia, Pa.

583—CLOTH, EMERY.

(See Emery Paper and Cloth.)

584—CLOTHS, FILTER.

T. Shriver & Co., New York.

585—CLOTH, GUMMED.

Carter, Rice & Co., Inc., Boston, Mass.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Seabury & Johnson, New York.
Thomas Stationery Manufacturing Company, Springfield, Ohio.

586—CLOTH, HAIR AND FIBER.

American Hair Cloth Company, Pawtucket, R. I.
Arawana Mills, Middletown, Conn.

587—CLOTH, RAINPROOF.

(See Cloth, Waterproof.)

588—CLOTH, RUBBER.

(See Rubber Cloth.)

589—CLOTH, SHADE.

(See Hollands, Window.)

590—CLOTH FOR UNIFORMS.

American Woolen Company, Boston, Mass.
Charlottesville Woolen Mills, Charlottesville, Va.
Deering, Milliken & Co., New York.
Meyer & Goetze, New York.

591—CLOTH, WATERPROOF.

American Woolen Company, Boston, Mass.
Fulton Bag and Cotton Mills, New York.
Hodgman Rubber Company, New York.
The Jamestown Worsted Mills, Jamestown, N. Y.
Milwaukee Bag Company, Milwaukee, Wis.
The Paraffine Paint Company, San Francisco, Cal.
Thomas Potter, Sons & Co., Inc., Philadelphia, Pa.
The Standard Paint Company, New York.
Standard Table Oil Cloth Company, New York.
A. J. Tower Company, Boston, Mass.

592—CLOTH, WIRE.

(See Wire Cloth and Netting.)

593—CLOTHING, CHILDREN'S.

Galland Brothers, New York.
Max Lowenthal & Brother, Rochester, N. Y.
Nazareth Waist Company, Nazareth, Pa.
Oppenheimer, Seasongood & Co., Cincinnati, Ohio.

594—CLOTHING, DUCK.

John S. Brittain Dry Goods Company, St. Joseph, Mo.
Hundley-Smith Dry Goods Company, St. Joseph, Mo.
Richardson, Roberts Dry Goods Company, St. Joseph, Mo.
H. Rosenblatt & Sons, Beloit, Wis.
Tootle, Wheeler & Motter Mercantile Company, St. Joseph, Mo.

595—CLOTHING, DUCK LINED.

Richardson, Roberts Dry Goods Company, St. Joseph, Mo.

596—CLOTHING, HORSE.

(See also Blankets, Horse.)
L. C. Chase & Co., Boston, Mass.

597—CLOTHING, MEN'S AND BOYS'.

David Adler & Sons Clothing Company, Milwaukee, Wis.
L. Adler, Bros. & Co., Rochester, N. Y.
Crouse & Brandegee, Utica, N. Y.
Frank Howard Manufacturing Company, Atchison, Kan.
A. Kory & Sons, New Orleans, La.
Louis Kraemer & Co., Reading, Pa.
Michaels, Stern & Co., Rochester, N. Y.
Miner & Beal, Boston, Mass.
Oppenheimer, Seasongood & Co., Cincinnati, Ohio.
Reliance Manufacturing Company, Chicago, Ill.
Rhodes & Ripley Clothing Company, Boston, Mass.
Richardson, Roberts Dry Goods Company, St. Joseph, Mo.
H. Rosenblatt & Sons, Beloit, Wis.
Tootle, Wheeler & Motter Mercantile Company, St. Joseph, Mo.

598—CLOTHING, RUBBER.

Hodgman Rubber Company, New York.

599—CLOTHING, WATERPROOF (OILED).

A. J. Tower Company, Boston, Mass.

600—CLOTHING, WOMEN'S.

(See Waists and Skirts, also Costumes and Wraps, Women's.)

601—CLOTHING, WORKINGMEN'S.

John S. Brittain Dry Goods Company, St. Joseph, Mo.
Frank Howard Manufacturing Company, Atchison, Kan.
Hundley-Smith Dry Goods Company, St. Joseph, Mo.
A. Kory & Sons, New Orleans, La.
Reliance Manufacturing Company, Chicago, Ill.
Richardson, Roberts Dry Goods Company, St. Joseph, Mo.
H. Rosenblatt & Sons, Beloit, Wis.
Stahl, Urban & Co., Terre Haute, Ind.
Tootle, Wheeler & Motter Mercantile Company, St. Joseph, Mo.

602—CLUBS, GOLF.

Crawford, McGregor & Canby Company, Dayton, Ohio.

603—CLUBS, INDIAN.

Piqua Handle and Manufacturing Company, Piqua, Ohio.
John Sommer's Son, Newark, N. J.
Wrightsville Hardware Company, Wrightsville, Pa.

604—CLUTCHES, FRICTION.

Allis-Chalmers Company, Chicago, Ill.
American Tool and Machine Company, Boston, Mass.
The A. & F. Brown Company, New York.
Capital Gas Engine Company, Indianapolis, Ind.
Dodge Manufacturing Company, Mishawaka, Ind.
Federal Manufacturing Company, Cleveland, Ohio.
Hill Clutch Company, Cleveland, Ohio.
Lane Manufacturing Company, Montpelier, Vt.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
Medart Patent Pulley Company, St. Louis, Mo.
Meese & Gottfried Company, San Francisco, Cal.
August Mietz, New York.
Moore & White Company, Philadelphia, Pa.
New Haven Manufacturing Company, New Haven, Conn.
Nordyke & Marmon Company, Indianapolis, Ind.
Reeves Pulley Company, Columbus, Ind.
The Rockwood Manufacturing Company, Indianapolis, Ind.
The Sinclair Scott Company, Baltimore, Md.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
H. N. Strait Manufacturing Company, Kansas City, Kan.
Westinghouse Air Brake Company, Pittsburg, Pa.

605—CLUTCHES, REVERSING.

August Mietz, New York.

606—COAL, BITUMINOUS.

Berwind-White Coal Mining Company, New York.
Bon Air Coal and Iron Company, Nashville, Tenn.
The Colorado Fuel and Iron Company, Denver, Col.
Columbus Iron and Steel Company, Columbus, Ohio.
East Tennessee Coal Company, Knoxville, Tenn.
Fairmont Coal Company, New York.
Galloway Coal Company, Memphis, Tenn.
M. A. Hanna & Co., Cleveland, Ohio.
Knoxville Iron Company, Knoxville, Tenn.
La Follette Coal, Iron and Railway Company, La Follette, Tenn.
S. W. Little Coal Company, Evansville, Ind.
Lookout Mountain Iron Company, Battelle, Ala.
Main Jellico Mountain Coal Company, Kensee, Ky.
Pennsylvania Coal and Coke Company, Philadelphia, Pa.
St. Louis and Big Muddy Coal Company, Carbondale, Ill.
Tennessee Coal Company, Knoxville, Tenn.
The Union Coal and Coke Company, Denver, Col.
The Victor Fuel Company, Denver, Col.
The Virginia and Pittsburgh Coal and Coke Company, Fairmont, W. Va.

607—COAL, GAS.

Berwind-White Coal Mining Company, New York.
Fairmont Coal Company, New York.
The Virginia and Pittsburgh Coal and Coke Company, Fairmont, W. Va.
Westmoreland Coal Company, Philadelphia, Pa.

608—COAL TAR PRODUCTS.

(See Tar (Coal) Products.)

609—COATS, MEN'S.

David Adler & Sons Clothing Company, Milwaukee, Wis.
L. Adler, Bros. & Co., Rochester, N. Y.
Frank Howard Manufacturing Company, Atchison, Kan.
A. Kory & Sons, New Orleans, La.
Michaels, Stern & Co., Rochester, N. Y.
Miner & Beal, Boston, Mass.
Oppenheimer, Seasongood & Co., Cincinnati, Ohio.
Rhodes & Ripley Clothing Company, Boston, Mass.
H. Rosenblatt & Sons, Beloit, Wis.
Stahl, Urban & Co., Terre Haute, Ind.
Tootle, Wheeler & Motter Mercantile Company, St. Joseph, Mo.

610—COATS, RAIN.

Hodgman Rubber Company, New York.

611—COATS, WOMEN'S.

Strawbridge & Clothier, Philadelphia, Pa.

612—COCKS, GAUGE.

H. Belfield & Co., Philadelphia, Pa.
The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
Crane Company, Chicago, Ill.
W. T. Garratt & Co., San Francisco, Cal.
Hoffmann & Billings Manufacturing Company, Milwaukee, Wis.
Johnson Service Company, Milwaukee, Wis.
The Judson Governor Company, Rochester, N. Y.
The Kelly & Jones Company, New York.
The Kennedy Valve Manufacturing Company, New York.
Lunkenheimer Company, Cincinnati, Ohio.
McRae & Roberts Company, Detroit, Mich.
Michigan Lubricator Company, Detroit, Mich.
Pittsburgh Valve, Foundry and Construction Company, Pittsburg, Pa.
William Powell Company, Cincinnati, Ohio.
Sherwood Manufacturing Company, Buffalo, N. Y.

613—COCKS, STEAM, GAS AND WATER.

(See Fittings, Steam, Gas and Water.)

614—COCOA.

Walter M. Lowney Company, Boston, Mass.
H. O. Wilbur & Sons, Philadelphia, Pa.

615—CODEINE.

Rosengarten & Sons, Inc., Philadelphia, Pa.

616—COFFEE.

B. Fischer & Co., New York.
Gustave A. Jahn & Co., Inc., New York.
Francis H. Leggett & Co., New York.
Tone Brothers, Des Moines, Iowa.

617—COFFEE, CONDENSED.

Borden's Condensed Milk Company, New York.

618—COFFEE PERCOLATORS.

Pelouze Scale and Manufacturing Company, Chicago, Ill.

619—COFFEE SUBSTITUTES.

Malta-Vita Pure Food Company, Battle Creek, Mich.
Postum Cereal Company, Ltd., Battle Creek, Mich.
H. W. Rickel & Co., Detroit, Mich.

620—COFFIN TRIMMINGS.

(See Trimmings, Carriage and Casket.)

621—COFFINS AND CASKETS.

Chattanooga Coffin & Casket Company, Chattanooga, Tenn.
Crane & Breed Manufacturing Company, Cincinnati, Ohio.
National Casket Company, New York.
The Northwestern Casket Company, Minneapolis, Minn.
St. Louis Coffin Company, St. Louis, Mo.

622—COKE.

Bessemer Coke Company, Pittsburg, Pa.
Bon Air Coal and Iron Company, Nashville, Tenn.
The Colorado Fuel and Iron Company, Denver, Col.
La Follette Coal, Iron and Railway Company, La Follette, Tenn.
Lookout Mountain Iron Company, Battelle, Ala.
Pennsylvania Coal and Coke Company, Philadelphia, Pa.
Rogers, Brown & Co., New York.
Stewart Iron Company, Ltd., Sharon, Pa.
The Union Coal and Coke Company, Denver, Col.
The Victor Fuel Company, Denver, Col.
The Virginia and Pittsburgh Coal and Coke Company, Fairmont, W. Va.

623—COKE OVENS.

(See Machinery, Coke Oven.)

624—COLD STORAGE.

Diamond Ice and Storage Company, Seattle, Wash.

625—COLLARS, HORSE.

Armstrong & Graham, Detroit, Mich.
The Atchison Saddlery Company, Atchison, Kan.
Graf, Morsbach & Co., Cincinnati, Ohio.
Marshall-Wells Hardware Company, Duluth, Minn.
Morley Brothers, Saginaw, Mich.
Perkins, Campbell Company, Cincinnati, Ohio.
Whitney & Sloo Company, Ltd., New Orleans, La.

626—COLLARS, LINEN.

William Barker Company, Troy, N. Y.
Cluett, Peabody & Co., Troy, N. Y.
H. C. Curtis Company, Troy, N. Y.
Earl & Wilson, New York.
Fellows & Co., Troy, N. Y.
Hall, Hartwell & Co., Troy, N. Y.
Henry Holmes, Troy, N. Y.
Geo. P. Ide & Co., Troy, N. Y.
International Shirt and Collar Company, Troy, N. Y.
S. L. Munson, Albany, N. Y.
Searle Manufacturing Company, Troy, N. Y.
Tim & Co., Inc., Troy, N. Y.
United States Shirt and Collar Company, Troy, N. Y.
Van Zandt, Jacobs & Co., Troy, N. Y.

627—COLOGNES.

Lazell, Dalley & Co., New York.

628—COLORS, CERAMIC.

Franklin H. Kalbfleisch Company, New York.
Merrimac Chemical Company, Boston, Mass.
Eugene E. Nice, Philadelphia, Pa.
Roessler & Hasslacher Chemical Company, New York.

629—COLORS, DRY.

Acme White Lead and Color Works, Detroit, Mich.
American Dyewood Company, Philadelphia, Pa.
F. E. Atteaux & Co., Boston, Mass.
The Ault & Wiborg Company, Cincinnati, Ohio.
Eagle White Lead Company, Cincinnati, Ohio.
Felton, Sibley & Co., Philadelphia, Pa.
Forest City Paint and Varnish Company, Cleveland, Ohio.
Grasselli Chemical Company, New York.
Hammill & Gillespie, New York.
Heath & Milligan Manufacturing Company, Chicago, Ill.
John Lucas & Co., Philadelphia, Pa.
McLennan Paint Company, Ltd., Buffalo, N. Y.
R. McWilliams, Ltd., New Orleans, La.
Herman A. Metz, New York.
Nulsen, Klein and Krausse Manufacturing Company, St. Louis, Mo.
Spencer Wire Company, Worcester, Mass.

630—COLORS, MORTAR.

Samuel Cabot, Boston, Mass.
Samuel H. French & Co., Philadelphia, Pa.
Pecora Paint Company, Philadelphia, Pa.

631—COLORS, OIL.

(See Paints and Colors.)

632—COLUMNS, WOOD.

Hafner Manufacturing Company, St. Louis, Mo.
Hartmann Brothers Manufacturing Company, Mt. Vernon, N. Y.

633—COMBERS, COTTON.

James Barker, Philadelphia, Pa.
Crompton & Knowles Loom Works, Worcester, Mass.
Mason Machine Works, Taunton, Mass.
Whitin Machine Works, Whitinsville, Mass.

634—COMBS, CELLULOID.

Arlington Company, New York.
Tilton & Cook, Leominster, Mass.

635—COMBS, RUBBER.

American Hard Rubber Company, New York.

636—COMFORTABLES, COTTON, WOOL, ETC.

(See Quilts, Cotton, Wool, etc.)

637—COMMUTATOR BARS.

(See Bars, Commutator.)

638—COMPRESSORS, AIR.

Allis-Chalmers Company, Chicago, Ill.
American Steam Pump Company, Battle Creek, Mich.
Baird Machinery Company, Pittsburg, Pa.
Birmingham Machine and Foundry Company, Birmingham, Ala.
Bishop & Babcock Company, Cleveland, Ohio.

638—COMPRESSORS, AIR—Continued.

Curtis & Co. Manufacturing Company, St. Louis, Mo.
Epping-Carpenter Company, Pittsburg, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Filer & Stowell Company, Milwaukee, Wis.
The Gardner Governor Company, Quincy, Ill.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Great Lakes Engineering Works, Detroit, Mich.
Guild & Garrison, Brooklyn, N. Y.
Hall Steam Pump Company, Allegheny, Pa.
Hardie-Tynes Manufacturing Company, Birmingham, Ala.
Joshua Hendy Machine Works, San Francisco, Cal.
Ingersoll-Sergeant Drill Company, New York.
Johnson Service Company, Milwaukee, Wis.
Lane & Bodley Company, Cincinnati, Ohio.
The J. Geo. Leyner Engineering Works Company, Denver, Col.
The "Long-Arm" System Company, Cleveland, Ohio.
Manning, Maxwell & Moore, New York.
August Mietz, New York.
Northern Engineering Works, Detroit, Mich.
Norwalk Iron Works Company, South Norwalk, Conn.
The Platt Iron Works Company, Dayton, Ohio.
Rand Drill Company, New York.
Sullivan Machinery Company, Chicago, Ill.
Vulcan Iron Works, Wilkes-Barre, Pa.
Weir & Craig Manufacturing Company, Chicago, Ill.
Westinghouse Air Brake Company, Pittsburg, Pa.
George D. Whitcomb Company, Chicago, Ill.
Wilson, Snyder Manufacturing Company, Pittsburg, Pa.
York Manufacturing Company, York, Pa.

639—COMPRESSORS, AMMONIA.

Norwalk Iron Works Company, South Norwalk, Conn.
The Platt Iron Works Company, Dayton, Ohio.
Remington Machine Company, Wilmington, Del.
Weir & Craig Manufacturing Company, Chicago, Ill.
York Manufacturing Company, York, Pa.

640—COMPRESSORS, GAS.

Lane & Bodley Company, Cincinnati, Ohio.
Norwalk Iron Works Company, South Norwalk, Conn.
The Joseph Schneible Company, New York.

641—CONCENTRATES.

United States Reduction and Refining Company, Colorado Springs, Col.
United Zinc and Chemical Company, Kansas City, Mo.

642—CONCENTRATORS, ORE.

Allis-Chalmers Company, Chicago, Ill.
Caird & Hawksworth, Helena, Mont.
Cyrus Currier & Sons, Newark, N. J.
The Hendrie & Bolthoff Manufacturing and Supply Company, Denver, Col.
Joshua Hendy Machine Works, San Francisco, Cal.
The Mine and Smelter Supply Company, Denver, Col.
Union Iron Works, Spokane, Wash.

643—CONDENSERS, GAS WORKS.

(See also Machinery, Gas Works.)

Bartlett, Hayward & Co., Baltimore, Md.

643—CONDENSERS, GAS WORKS—Continued.

Kerr-Murray Manufacturing Company, Fort Wayne, Ind.
Western Gas Construction Company, Fort Wayne, Ind.
R. D. Wood & Co., Philadelphia, Pa.

644—CONDENSERS, STEAM.

Buffalo Forge Company, Buffalo, N. Y.
A. S. Cameron Steam Pump Works, New York.
The J. D. Connell Iron Works, New Orleans, La.
M. T. Davidson, Brooklyn, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Epping-Carpenter Company, Pittsburg, Pa.
Fulton Engine Works, Los Angeles, Cal.
Jeanesville Iron Works Company, Hazleton, Pa.
The Platt Iron Works Company, Dayton, Ohio.
Remington Machine Company, Wilmington, Del.
Southwark Foundry and Machine Company, Philadelphia, Pa.
John E. Thropp's Sons Co., Trenton, N. J.

645—CONDIMENTS, TABLE.

(See Relishes.)

646—CONDUITS, ELECTRICAL.

American Circular Loom Company, Chelsea, Mass.
W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.
Evens & Howard Fire Brick Company, St. Louis, Mo.
McRoy Clay Works, Chicago, Ill.
National Fire Proofing Company, Pittsburg, Pa.

647—CONFECTIONERS' SUPPLIES.

Antoine Chiris, New York.
E. C. Hazard & Co., New York.
Henry Heide, New York.
Miner-Hillard Milling Company, Wilkes-Barre, Pa.
National Licorice Company, Brooklyn, N. Y.
Northwestern Yeast Company, Chicago, Ill.
The White Mountain Freezer Company, Nashua, N. H.

648—CONFECTIONERY.

American Caramel Company, Lancaster, Pa.
The George Blome & Son Company, Baltimore, Md.
Henry Heide, New York.
Walter M. Lowney Company, Boston, Mass.
National Candy Company, St. Louis, Mo.
W. C. Nevin & Co., Denver, Col.
New England Confectionery Company, Boston, Mass.
Pacific Coast Biscuit Company, Portland, Ore.
W. F. Schrafft & Sons, Boston, Mass.
Wallace & Co., New York.
H. O. Wilbur & Sons, Philadelphia, Pa.

649—CONTRACTORS.

American Pipe Manufacturing Company, Philadelphia, Pa.
Berlin Construction Company, Berlin, Conn.
The Converse Bridge Company, Chattanooga, Tenn.
International Sprinkler Company, Philadelphia, Pa.
Jos. McWilliams & Co., Louisville, Ky.
The Midland Bridge Company, Kansas City, Mo.
Milliken Brothers, New York.
Niagara Fire Extinguisher Company, Akron, Ohio.

649—CONTRACTORS—Continued.

The Nicola Building Company, Pittsburg, Pa.
Parker-Russell Mining and Manufacturing Company, St. Louis, Mo.
Pittsburg Valve, Foundry and Construction Company, Pittsburg, Pa.
Puget Sound Bridge and Dredging Company, Seattle, Wash.
The F. A. Requarth Company, Dayton, Ohio.
Rhinesmith & Simonson, Fort Wayne, Ind.
Riter-Conley Manufacturing Company, Pittsburg, Pa.
The Standard Company, Chicago, Ill.
C. A. Warren & Co., San Francisco, Cal.
A. & S. Wilson Company, Pittsburg, Pa.

650—CONTRACTORS, ELECTRICAL.

Jos. McWilliams & Co., Louisville, Ky.
Pittsburg Valve, Foundry and Construction Company, Pittsburg, Pa.

651—CONTRACTORS, PAINTING.

(See Painters, Contracting.)

652—CONTRACTORS' SUPPLIES.

(See also Machinery, Contractors'; also Tools, Contractors'; also Cement; Brick; Lumber, etc.)

American Hoist and Derrick Company, St. Paul, Minn.
W. H. Anderson & Sons, Inc., Detroit, Mich.
Bessemer Limestone Company, Youngstown, Ohio.
Boston and Lockport Block Company, Boston, Mass.
Buffalo Cement Company, Ltd., Buffalo, N. Y.
Contractors' Plant Manufacturing Company, Buffalo, N. Y.
Florence Pump and Lumber Company, Memphis, Tenn.
Franklin Stone Company, Marble Cliff, Ohio.
Gager Lime and Manufacturing Company, Chattanooga, Tenn.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
The Holmes Lime Company, San Francisco, Cal.
Illinois Steel Company, Chicago, Ill.
Iron City Tool Works, Ltd., Pittsburg, Pa.
Keystone Plaster Company, Chester, Pa.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
The Klein-Logan Company, Pittsburg, Pa.
La Follette Coal, Iron and Railway Company, La Follette, Tenn.
Lawrence Cement Company, New York.
A. Leschen & Sons Rope Company, St. Louis, Mo.
James McKay & Co., Pittsburg, Pa.
Munson Bros. Company, Utica, N. Y.
The Norris & Christian Stone and Lime Company, Marion, Ohio.
Wm. J. Oliver Manufacturing Company, Knoxville, Tenn.
Paragon Plaster and Supply Company, Scranton, Pa.
J. E. Patterson & Co., Wilkes-Barre, Pa.
United States Gypsum Company, Chicago, Ill.
Washington Brick, Lime and Manufacturing Company, Spokane, Wash.

653—CONVERTERS, BESSEMER.

The Reeves Brothers Company, Alliance, Ohio.

654—CONVERTERS, COTTON GOODS.

R. Blankenburg & Co., Philadelphia, Pa.
The H. B. Claflin Company, New York.
Meyer & Goetze, New York.
Reliance Manufacturing Company, Chicago, Ill.

655—CONVEYORS, CABLE AND BELT.

C. O. Bartlett & Snow Company, Cleveland, Ohio.
Bonnot Company, Canton, Ohio.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Eagle Iron Works, Des Moines, Iowa.
Filer & Stowell Company, Milwaukee, Wis.
The M. Garland Company, Bay City, Mich.
The Hayward Company, New York.
Heyl & Patterson, Pittsburg, Pa.
Jeffrey Manufacturing Company, Columbus, Ohio.
Lambert Hoisting Engine Company, Newark, N. J.
Lane Manufacturing Company, Montpelier, Vt.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Lidgerwood Manufacturing Company, New York.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
McMyler Manufacturing Company, Cleveland, Ohio.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
The Meisel Manufacturing Company, Port Huron, Mich.
Nordyke & Marmon Company, Indianapolis, Ind.
Robins Conveying Belt Company, New York.
Sprout, Waldron & Co., Muncy, Pa.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
The Stirling Company, Chicago, Ill.
The Wolf Company, Chambersburg, Pa.

656—CONVEYORS, LINK BELT.

C. O. Bartlett & Snow Company, Cleveland, Ohio.
Buhl Malleable Company, Detroit, Mich.
Chain Belt Company, Milwaukee, Wis.
The M. Garland Company, Bay City, Mich.
William E. Hill & Co., Kalamazoo, Mich.
Jeffrey Manufacturing Company, Columbus, Ohio.
Lane Manufacturing Company, Montpelier, Vt.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
The Meisel Manufacturing Company, Port Huron, Mich.
Nordyke & Marmon Company, Indianapolis, Ind.
Stephens-Adamson Manufacturing Company, Aurora, Ill.

657—CONVEYORS, STEEL SPIRAL.

Buhl Malleable Company, Detroit, Mich.
Chain Belt Company, Milwaukee, Wis.
Jeffrey Manufacturing Company, Columbus, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Nordyke & Marmon Company, Indianapolis, Ind.

658—COOKERS, FEED.

C. H. Dutton Company, Kalamazoo, Mich.
Kelly Foundry and Machine Company, Goshen, Ind.
The J. L. Mott Iron Works, New York.
Silver Manufacturing Company, Salem, Ohio.

659—COOKERS, STEAM.

The Robinson Manufacturing Company, Toledo, Ohio.
Toledo Cooker Company, Toledo, Ohio.

660—COOLERS, BEER.

The Joseph Schneible Company, New York.
B. A. Stevens, Toledo, Ohio.

661—COOLERS, CELLULAR.

(See Radiators, Automobile.)

662—COOLERS, WATER.

Dayton Manufacturing Company, Dayton, Ohio.
Hale & Kilburn Manufacturing Company, Philadelphia, Pa.
Lalance & Grosjean Manufacturing Company, New York.
F. H. Lawson Company, Cincinnati, Ohio.
Ruemmeli-Dawley Manufacturing Company, St. Louis, Mo.
Union Cooperage Company, St. Louis, Mo.

663—COPPER BARS.

American Smelting and Refining Company, New York.
Ansonia Brass and Copper Company, New York.
Balbach Smelting and Refining Company, Newark, N. J.
Crucible Steel Company of America, Pittsburg, Pa.
Duquesne Reduction Company, Pittsburg, Pa.
Hendricks Brothers, New York.
The Kendrick Promotion Company, Denver, Col.
The Orford Copper Company, New York.
Tacoma Smelting Company, Tacoma, Wash.
Union Metal Company, San Francisco, Cal.
United States Reduction and Refining Company, Colorado Springs, Col.
United States Smelting Company, Salt Lake City, Utah.

664—COPPER MATTE.

The Kendrick Promotion Company, Denver, Col.

665—COPPER NITRATE.

Cochrane Chemical Company, Boston, Mass.
Franklin H. Kalbfleisch Company, New York.
Charles Lennig & Co., Inc., Philadelphia, Pa.

666—COPPER, PHOSPHOR.

(See Phosphor-Copper.)

667—COPPER RODS.

Ansonia Brass and Copper Company, New York.
Bridgeport Brass Company, Bridgeport, Conn.
Coe Brass Manufacturing Company, Torrington, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Hendricks Brothers, New York.
Rome Brass and Copper Company, Rome, N. Y.
Standard Underground Cable Company, Pittsburg, Pa.

668—COPPER, SHEET.

Ansonia Brass and Copper Company, New York.
Benedict & Burnham Manufacturing Company, Waterbury, Conn.
Bridgeport Brass Company, Bridgeport, Conn.
Coe Brass Manufacturing Company, Torrington, Conn.
Crucible Steel Company of America, Pittsburg, Pa.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Hendricks Brothers, New York.
Rome Brass and Copper Company, Rome, N. Y.

669—COPPER SULPHATE.

American Smelting and Refining Company, New York.
Grasselli Chemical Company, New York.
Franklin H. Kalbfleisch Company, New York.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
The Western Chemical Manufacturing Company, Denver, Col.

670—COPPERAS.

Franklin H. Kalbfleisch Company, New York.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
The Western Chemical Manufacturing Company, Denver, Col.

671—CORD, SASH.

Anniston Cordage Company, Anniston, Ala.
John T. Bailey & Co., Philadelphia, Pa.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Schlichter Jute Cordage Company, Philadelphia, Pa.
Travers Brothers Company, New York.

672—CORD, UPHOLSTERERS'.

Vogt Manufacturing and Coach Lace Company, Rochester, N.

673—CORDAGE, COTTON.

The Eagle Cotton Mills Company, Madison, Ind.
Eagle and Phenix Mills, Columbus, Ga.
Fulton Bag and Cotton Mills, New York.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Travers Brothers Company, New York.
United States Cotton Duck Corporation, Baltimore, Md.

674—CORDAGE, HEMP.

(See Rope, Hemp.)

675—CORDAGE, JUTE.

Chelsea Jute Mills, New York.
Fulton Bag and Cotton Mills, New York.
Hooven & Allison Company, Xenia, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Ludlow Manufacturing Associates, Boston, Mass.
Schlichter Jute Cordage Company, Philadelphia, Pa.
Travers Brothers Company, New York.

676—CORDAGE, MANILA AND SISAL.

Edwin H. Fitler Company, Philadelphia, Pa.
Hooven & Allison Company, Xenia, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Travers Brothers Company, New York.
Tubbs Cordage Company, San Francisco, Cal.

677—CORDAGE, WIRE.

Broderick & Bascom Rope Company, St. Louis, Mo.
Hazard Manufacturing Company, Wilkes-Barre, Pa.
Kellogg Switchboard and Supply Company, Chicago, Ill.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Macomber & Whyte Rope Company, Chicago, Ill.
Monarch Electric and Wire Company, Chicago, Ill.
Norton Iron Works, Ashland, Ky.
Phillips Insulated Wire Company, Pawtucket, R. I.
Standard Underground Cable Company, Pittsburg, Pa.

678—CORERS AND PARERS, FRUIT.

Goodell Company, Antrim, N. H.
Reading Hardware Company, Reading, Pa.

679—CORK INSULATION.

Armstrong Cork Company, Pittsburg, Pa.

680—CORK PULLERS.

Arcade Manufacturing Company, Freeport, Ill.

681—CORKS AND CORK SPECIALTIES.

Armstrong Cork Company, Pittsburg, Pa.
Charles Boldt Glass Company, Cincinnati, Ohio.
C. L. Flaccus Glass Company, Pittsburg, Pa.
The Thompson & Norris Company, Brooklyn, N. Y.

682—CORN PRODUCTS.

American Hominy Company, Indianapolis, Ind.
Bloomington Canning Company, Bloomington, Ill.
H-O (Hornby's Oatmeal) Company, Buffalo, N. Y.
Francis H. Leggett & Co., New York.
Miner-Hillard Milling Company, Wilkes-Barre, Pa.
J. Allen Smith & Co., Inc., Knoxville, Tenn.
Suffern, Hunt & Co., Decatur, Ill.
Warner Sugar Refining Company, Waukegan, Ill.
Yates & Donelson Company, Memphis, Tenn.

683—CORNICES, SHEET METAL.

E. B. Badger & Sons Company, Boston, Mass.
Bartlett, Hayward & Co., Baltimore, Md.
Berger Manufacturing Company, Canton, Ohio.
Brown-Ketcham Iron Works, Indianapolis, Ind.
Klauer Manufacturing Company, Dubuque, Iowa.
David Lupton's Sons Company, Philadelphia, Pa.
W. H. Mullins, Salem, Ohio.

684—CORSETS.

American Lady Corset Company, Detroit, Mich.
Birdsey & Somers, New York.
Kabo Corset Company, Chicago, Ill.

685—COSMETICS.

Hall & Ruckel, New York.
Lazell, Dalley & Co., New York.

686—COSTUMES AND WRAPS, WOMEN'S.

Strawbridge & Clothier, Philadelphia, Pa.

687—COTS.

Carman Manufacturing Company, Tacoma, Wash.
Foster Bros. Manufacturing Company, Utica, N. Y.
M. A. Hunt & Co., Cincinnati, Ohio.
T. B. Laycock Manufacturing Company, Indianapolis, Ind.
A. J. Logan & Co., Pittsburg, Pa.
The Simmons Manufacturing Company, Chicago, Ill.

688—COTTERS AND KEYS.

Blake & Johnson, Waterbury, Conn.
William H. Haskell Manufacturing Company, Pawtucket, R. I.
Morse Twist Drill and Machine Company, New Bedford, Mass.
Nordyke & Marmon Company, Indianapolis, Ind.
Standard Gauge Steel Company, Beaver Falls, Pa.
Standard Tool Company, Cleveland, Ohio.
Whitney Manufacturing Company, Hartford, Conn.

689—COTTERS AND KEYS, SPRING.

The Akron Machine Company, Akron, Ohio.
Standard Tool Company, Cleveland, Ohio.

690—COTTON, ABSORBENT.

Johnson & Johnson, New Brunswick, N. J.
J. Ellwood Lee Company, Conshohocken, Pa.
Seabury & Johnson, New York.

691—COTTON BATTING AND WADDING.

(See Batting, Cotton; also Wadding, Cotton.)

692—COTTON BROCADES.

(See Brocades, Cotton.)

693—COTTON CAMLETS.

Hamburger Cotton Mills, Columbus, Ga.
The Lane Mills, New Orleans, La.
The New York Mills, Oneida County, N. Y.

694—COTTON CHEVIOTS.

(See Cheviots, Cotton.)

695—COTTON DENIMS.

Amoskeag Manufacturing Company, Boston, Mass.
Atlanta Woolen Mills, Atlanta, Ga.
Eagle and Phenix Mills, Columbus, Ga.
Everett Mills, Boston, Mass.
James S. Gary & Son, Baltimore, Md.
Hamburger Cotton Mills, Columbus, Ga.
The Lane Mills, New Orleans, La.
Massachusetts Cotton Mills, Boston, Mass.
P. R. Mitchell Company, Cincinnati, Ohio.
Proximity Manufacturing Company, Greensboro, N. C.
Swift Manufacturing Company, Columbus, Ga.

696—COTTON DOESKINS.

Atlanta Woolen Mills, Atlanta, Ga.

697—COTTON DRAPERIES.

R. Blankenburg & Co., Philadelphia, Pa.
Manville Company, Providence, R. I.
Stead, Miller & Co., Philadelphia, Pa.

698—COTTON DRILLS.

The American Pad and Textile Company, Greenfield, Ohio.
Boott Cotton Mills, Boston, Mass.
Brookside Mills, Knoxville, Tenn.
Chicopee Manufacturing Company, Boston, Mass.
Deering, Milliken & Co., New York.
Enterprise Manufacturing Company, Augusta, Ga.
Exposition Cotton Mills, Atlanta, Ga.
James S. Gary & Son, Baltimore, Md.
Graniteville Manufacturing Company, Augusta, Ga.
Hamilton Manufacturing Company, Boston, Mass.
J. H. Lane & Co., New York.
The Lane Mills, New Orleans, La.
Langley Manufacturing Company, Langley, S. C.
Pelzer Manufacturing Company, Pelzer, S. C.
Sibley Manufacturing Company, Augusta, Ga.
J. L. Stifel & Sons, Wheeling, W. Va.
Tremont and Suffolk Mills, Boston, Mass.
United States Cotton Duck Corporation, Baltimore, Md.
Warren Manufacturing Company, Warren, Md.

699—COTTON DUCK.

Arnold Print Works, North Adams, Mass.
Brookside Mills, Knoxville, Tenn.
W. J. Dickey & Son, Baltimore, Md.
James S. Gary & Son, Baltimore, Md.
J. H. Lane & Co., New York.
The Lane Mills, New Orleans, La.
Meyer & Goetze, New York.
Morris & Co., Groveville, N. J.
Sibley Manufacturing Company, Augusta, Ga.
United States Cotton Duck Corporation, Baltimore, Md.
Unity Cotton Mills, La Grange, Ga.
Warren Manufacturing Company, Warren, Md.

700—COTTON FABRICS, MERCERIZED.

Aberfoyle Manufacturing Company, Chester, Pa.
Globe Knitting Mills, Norristown, Pa.
The Long Brothers Company, Philadelphia, Pa.
Manville Company, Providence, R. I.
Millville Manufacturing Company, Philadelphia, Pa.
Slater Cotton Company, Pawtucket, R. I.

701—COTTON FLANNELS.

Chicopee Manufacturing Company, Boston, Mass.
Eagle and Phenix Mills, Columbus, Ga.
Everett Mills, Boston, Mass.
Glencoe Mills, Burlington, N. C.
Hamilton Manufacturing Company, Boston, Mass.
Massachusetts Cotton Mills, Boston, Mass.
Tremont & Suffolk Mills, Boston, Mass.

702—COTTON GINGHAMS.

Amoskeag Manufacturing Company, Boston, Mass.
Arnold Print Works, North Adams, Mass.
Aurora Cotton Mills, Burlington, N. C.
Barnaby Manufacturing Company, Fall River, Mass.
Eagle and Phenix Mills, Columbus, Ga.
Everett Mills, Boston, Mass.
Glencoe Mills, Burlington, N. C.
Odell Manufacturing Company, Concord, N. C.
Parkhill Manufacturing Company, Fitchburg, Mass.
Warren Manufacturing Company, Warren, R. I.

703—COTTON GOODS, YARN-DYED.

Arnold Print Works, North Adams, Mass.
Aurora Cotton Mills, Burlington, N. C.
Barnaby Manufacturing Company, Fall River, Mass.
Chace Mills, Fall River, Mass.
Eagle and Phenix Mills, Columbus, Ga.
Glencoe Mills, Burlington, N. C.
Holt-Granite Manufacturing Company, Haw River, N. C.
Manville Company, Providence, R. I.
Massachusetts Cotton Mills, Boston, Mass.
Meridian Cotton Mills, Meridian, Miss.

704—COTTON HUCK AND CRASH.

Merrimack Manufacturing Company, Boston, Mass.
Millville Manufacturing Company, Philadelphia, Pa.
Warren Manufacturing Company, Warren, Md.

705—COTTON JEANS.

Eagle and Phenix, Mills, Columbus, Ga.

706—COTTON LAWNS.

Berkshire Cotton Manufacturing Company, Adams, Mass.
The King Philip Mills, Fall River, Mass.
Manville Company, Providence, R. I.
Potomska Mills Corporation, New Bedford, Mass.
Slater Cotton Company, Pawtucket, R. I.
Wamsutta Mills, New Bedford, Mass.
Paul Whitin Manufacturing Company, Northbridge, Mass.

707—COTTON OIL.

(See Oil, Cotton Seed.)

708—COTTON PLAIDS.

Eagle and Phenix Mills, Columbus, Ga.
Glencoe Mills, Burlington, N. C.
Hamburger Cotton Mills, Columbus, Ga.
Holt-Granite Manufacturing Company, Haw River, N. C.
Meridian Cotton Mills, Meridian, Miss.
Odell Manufacturing Company, Concord, N. C.
Sibley Manufacturing Company, Augusta, Ga.
Swift Manufacturing Company, Columbus, Ga.

709—COTTON PRINT CLOTHS.

Barnard Manufacturing Company, Fall River, Mass.
Brandon Mills, Greenville, S. C.
Columbus Manufacturing Company, Columbus, Ga.
Hamilton Woolen Company, Boston, Mass.
Mechanics' Mills, Fall River, Mass.
Monaghan Mills, Greenville, S. C.
Saxon Mills, Spartanburg, S. C.
Shove Mills, Fall River, Mass.
Stafford Mills, Fall River, Mass.
Victor Manufacturing Company, Greers, S. C.

710—COTTON PRINTS.

Arnold Print Works, North Adams, Mass.
Chace Mills, Fall River, Mass.
Granite Mills, Fall River, Mass.
Benj. W. Greer, Philadelphia, Pa.
Hamilton Manufacturing Company, Boston, Mass.
Merrimack Manufacturing Company, Boston, Mass.
P. R. Mitchell Company, Cincinnati, Ohio.
J. L. Stifel & Sons, Wheeling, W. Va.

711—COTTON SEED PRODUCTS.

American Cotton Oil Company, New York.
The N. K. Fairbank Company, Chicago, Ill.
Kentucky Refining Company, Louisville, Ky.
Meridian Fertilizer Factory, Meridian, Miss.
The Perkins Oil Company, Memphis, Tenn.
Procter & Gamble Company, Cincinnati, Ohio.
Southern Cotton Oil Company, New York.
Virginia-Carolina Chemical Company, Richmond, Va.

712—COTTON SHEETINGS.

Acushnet Mill Corporation, New Bedford, Mass.
The American Pad and Textile Company, Greenfield, Ohio.
American Spinning Company, Greenville, S. C.

712—COTTON SHEETINGS—Continued.

Atlantic Cotton Mills, Boston, Mass.
Barnard Manufacturing Company, Fall River, Mass.
Boott Cotton Mills, Boston, Mass.
Brandon Mills, Greenville, S. C.
Brookside Mills, Knoxville, Tenn.
Chace Mills, Fall River, Mass.
Chadwick Manufacturing Company, Charlotte, N. C.
Chicopee Manufacturing Company, Boston, Mass.
Columbus Manufacturing Company, Columbus, Ga.
The Dallas Manufacturing Company, Huntsville, Ala.
Deering, Milliken & Co., New York.
The Eagle Cotton Mills Company, Madison, Ind.
Enterprise Manufacturing Company, Augusta, Ga.
The Evansville Cotton Manufacturing Company, Evansville, Ind.
Exposition Cotton Mills, Atlanta, Ga.
Graniteville Manufacturing Company, Augusta, Ga.
Hamilton Woolen Company, Boston, Mass.
Henderson Cotton Mills, Henderson, Ky.
J. H. Lane & Co., New York.
Langley Manufacturing Company, Langley, S. C.
Lockhart Mills, Lockhart, S. C.
Manville Company, Providence, R. I.
Mechanics' Mills, Fall River, Mass.
Merrimack Manufacturing Company, Boston, Mass.
Millville Manufacturing Company, Philadelphia, Pa.
Monaghan Mills, Greenville, S. C.
The New York Mills, Oneida County, N. Y.
Odell Manufacturing Company, Concord, N. C.
Pelzer Manufacturing Company, Pelzer, S. C.
Saxon Mills, Spartanburg, S. C.
Shove Mills, Fall River, Mass.
Sibley Manufacturing Company, Augusta, Ga.
Slater Cotton Company, Pawtucket, R. I.
Stafford Mills, Fall River, Mass.
Tremont & Suffolk Mills, Boston, Mass.
Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y.
Victor Manufacturing Company, Greers, S. C.
Wamsutta Mills, New Bedford, Mass.
Warren Manufacturing Company, Warren, R. I.

713—COTTON SHIRTINGS.

Aberfoyle Manufacturing Company, Chester, Pa.
American Linen Company, Fall River, Mass.
Amoskeag Manufacturing Company, Boston, Mass.
Arnold Print Works, North Adams, Mass.
Barnaby Manufacturing Company, Fall River, Mass.
Chicopee Manufacturing Company, Boston, Mass.
Eagle and Phenix Mills, Columbus, Ga.
Enterprise Manufacturing Company, Augusta, Ga.
Everett Mills, Boston, Mass.
Exposition Cotton Mills, Atlanta, Ga.
Glencoe Mills, Burlington, N. C.
Graniteville Manufacturing Company, Augusta, Ga.
Hamburger Cotton Mills, Columbus, Ga.
The King Philip Mills, Fall River, Mass.
Langley Manufacturing Company, Langley, S. C.
Lorraine Manufacturing Company, Pawtucket, R. I.
Manville Company, Providence, R. I.

to manufacturers whose names are given in this book.

713—COTTON SHIRTINGS—Continued.

Mechanics' Mills, Fall River, Mass.
Meridian Cotton Mills, Meridian, Miss.
Merrimack Manufacturing Company, Boston, Mass.
Millville Manufacturing Company, Philadelphia, Pa.
Monaghan Mills, Greenville, S. C.
The New York Mills, Oneida County, N. Y.
Parkhill Manufacturing Company, Fitchburg, Mass.
Pelzer Manufacturing Company, Pelzer, S. C.
Slater Cotton Company, Pawtucket, R. I.
Sibley Manufacturing Company, Augusta, Ga.
Tremont & Suffolk Mills, Boston, Mass.
Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y.
Wamsutta Mills, New Bedford, Mass.
Warren Manufacturing Company, Warren, R. I.

714—COTTON TICKINGS.

Amoskeag Manufacturing Company, Boston, Mass.
Eagle and Phenix Mills, Columbus, Ga.
Hamburger Cotton Mills, Columbus, Ga.
Hamilton Manufacturing Company, Boston, Mass.
P. R. Mitchell Company, Cincinnati, Ohio.
Sibley Manufacturing Company, Augusta, Ga.
Swift Manufacturing Company, Columbus, Ga.
Warren Manufacturing Company, Warren, Md.

715—COTTON TWILLS.

Barnard Manufacturing Company, Fall River, Mass.
Chace Mills, Fall River, Mass.
James S. Gary & Son, Baltimore, Md.
Granite Mills, Fall River, Mass.
The Hathaway Manufacturing Company, New Bedford, Mass.
Manville Company, Providence, R. I.
Warren Manufacturing Company, Warren, R. I.
Wamsutta Mills, New Bedford, Mass.

716—COTTONADES.

Eagle and Phenix Mills, Columbus, Ga.
Everett Mills, Boston, Mass.
Hamburger Cotton Mills, Columbus, Ga.
The Lane Mills, New Orleans, La.
Warren Manufacturing Company, Warren, Md.

717—COTTONS, FANCY.

Aberfoyle Manufacturing Company, Chester, Pa.
Arkwright Mills, Fall River, Mass.
Arnold Print Works, North Adams, Mass.
Barnard Manufacturing Company, Fall River, Mass.
Barnaby Manufacturing Company, Fall River, Mass.
Berkshire Cotton Manufacturing Company, Adams, Mass.
Chicopee Manufacturing Company, Boston, Mass.
The H. B. Claflin Company, New York.
Eagle & Phenix Mills, Columbus, Ga.
Granite Mills, Fall River, Mass.
Grinnell Manufacturing Corporation, New Bedford, Mass.
Hamburger Cotton Mills, Columbus, Ga.
Hathaway Manufacturing Company, New Bedford, Mass.
The Lane Mills, New Orleans, La.
The Long Brothers Company, Philadelphia, Pa.
Manville Company, Providence, R. I.

717—COTTONS, FANCY—Continued.

Mechanics' Mills, Fall River, Mass.
Meridian Cotton Mills, Meridian, Miss.
Merrimack Manufacturing Company, Boston, Mass.
Meyer & Goetze, New York.
Monaghan Mills, Greenville, S. C.
Parkhill Manufacturing Corporation, Fitchburg, Mass.
Potomska Mills Corporation, New Bedford, Mass.
Pierce Manufacturing Corporation, New Bedford, Mass.
Saxon Mills, Spartanburg, S. C.
Shove Mills, Fall River, Mass.
Slater Cotton Company, Pawtucket, R. I.
Tremont and Suffolk Mills, Boston, Mass.
Victor Manufacturing Company, Greers, S. C.
Wamsutta Mills, New Bedford, Mass.
Paul Whitin Manufacturing Company, Northbridge, Mass.

718—COUNTERBORERS AND COUNTERSINKS.

Cincinnati Tool Company, Norwood, Cincinnati. Ohio.
Morse Twist Drill and Machine Company, New Bedford, Mass.
F. B. Shuster Company, New Haven, Conn.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

719—COUNTERS, BOOT AND SHOE.

American Oak Leather Company, Cincinnati, Ohio.
Graton & Knight Manufacturing Company, Worcester, Mass.

720—COUNTERS, REVOLUTION.

American Steam Gauge and Valve Mfg. Company, Boston, Mass.

721—COUPLERS, CAR.

The Buckeye Steel Castings Co., Columbus, Ohio.
Gould Coupler Company, New York.
William Harris & Son, Pittsburg, Pa.
McConway & Torley Company, Pittsburg, Pa.
National Malleable Castings Company, Cleveland, Ohio.
Parsons Band Cutter and Self-Feeder Company, Newton, Iowa.
Railway Appliances Company, Chicago, Ill.
Ross Meehan Foundry Company, Chattanooga, Tenn.

722—COUPLINGS, ELECTRICAL.

Chase-Shawmut Company, Newburyport, Mass.
Standard Underground Cable Company, Pittsburg, Pa.

723—COUPLINGS, HOSE.

W. J. Clark Company, Salem, Ohio.
W. T. Garratt & Co., San Francisco, Cal.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Johnson Service Company, Milwaukee, Wis.
Kelly & Jones Company, New York.
F. E. Kohler & Co., Canton, Ohio.

724—COUPLINGS, PIPE.

(See Fittings, Steam, Gas and Water.)

725—COUPLINGS, SHAFT.

Charles Bond, Philadelphia, Pa.
The A. & F. Brown Company, New York.
Chain Belt Company, Milwaukee, Wis.
George V. Cresson Company, Philadelphia, Pa.
Cumberland Steel Company, Cumberland, Md.

725—COUPLINGS, SHAFT—Continued.

The W. P. Davis Machine Company, Rochester, N. Y.
Dodge Manufacturing Company, Mishawaka, Ind.
Fairbanks Company, New York.
Goldens' Foundry and Machine Company, Columbus, Ga.
Hill Clutch Company, Cleveland, Ohio.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Medart Patent Pulley Company, St. Louis, Mo.
Moore & White Company, Philadelphia, Pa.
Nordyke & Marmon Company, Indianapolis, Ind.
Sprout, Waldron & Co., Muncy, Pa.
Standard Gauge Steel Company, Beaver Falls, Pa.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
Wheland Machine Works, Chattanooga, Tenn.
T. B. Wood's Sons, Chambersburg, Pa.

726—COVERING, BOILER AND STEAM PIPE.

Philip Carey Manufacturing Company, Lockland, Ohio.
Keasbey & Mattison Company, Ambler, Pa.
H. F. Watson Company, Erie, Pa.

727—COVERS, CHENILLE, TABLE.

John Bromley & Sons, Philadelphia, Pa.
Hoyle, Harrison & Kaye, Philadelphia, Pa.

728—COVERS, HORSE, WATERPROOF.

L. C. Chase & Co., Boston, Mass.
Fulton Bag and Cotton Mills, New York.
A. J. Tower Company, Boston, Mass.

729—CRADLES.

Foster Bros. Manufacturing Company, Utica, N. Y.
M. A. Hunt & Co., Cincinnati, Ohio.
T. B. Laycock Manufacturing Company, Indianapolis, Ind.
A. J. Logan & Co., Pittsburg, Pa.
National Novelty Corporation, New York.
Phoenix Chair Company, Sheboygan, Wis.
The Simmons Manufacturing Company, Chicago, Ill.
Union Wire Mattress Company, Chicago, Ill.

730—CRADLES, GRAIN.

Iowa Farming Tool Company, Fort Madison, Iowa.

731—CRANES, ELECTRIC, STEAM OR HAND POWER.

American Hoist and Derrick Company, St. Paul, Minn.
Brown Hoisting Machinery Company, Cleveland, Ohio.
The Bucyrus Company, South Milwaukee, Wis.
The Case Manufacturing Company, Columbus, Ohio.
Contractors' Plant Manufacturing Company, Buffalo, N. Y.
Cyrus Currier & Sons, Newark, N. J.
Curtis & Co. Manufacturing Company, St. Louis, Mo.
Edwin Harrington, Son & Co., Inc., Philadelphia, Pa.
The Hayward Company, New York.
Humphrey & Sons, Joliet, Ill.
Lambert Hoisting Engine Company, Newark, N. J.
McMyler Manufacturing Company, Cleveland, Ohio.
Manning, Maxwell & Moore, New York.
Marion Steam Shovel Company, Marion, Ohio.
Marshutz & Cantrell, San Francisco, Cal.
The Morgan Engineering Company, Alliance, Ohio.
Niles-Bement-Pond Company, New York.

731—CRANES, ELECTRIC, STEAM OR HAND POWER—Continued.

Northern Engineering Works, Detroit, Mich.
William Sellers & Co., Inc., Philadelphia, Pa.
T. Shriver & Co., New York.
Vulcan Foundry and Machine Company, New Castle, Pa.
The Vulcan Iron Works, Seattle, Wash.
Whiting Foundry Equipment Company, Harvey, Ill.

732—CRANES, HYDRAULIC.

Brown Hoisting Machinery Company, Cleveland, Ohio.
Fischer Foundry and Machine Company, Pittsburg, Pa.
United Engineering and Foundry Company, Pittsburg, Pa.
R. D. Wood & Co., Philadelphia, Pa.

733—CRANES, PNEUMATIC.

Brown Hoisting Machinery Company, Cleveland, Ohio.
Curtis & Co. Manufacturing Company, St. Louis, Mo.
Manning, Maxwell & Moore, New York.
Northern Engineering Works, Detroit, Mich.
Whiting Foundry Equipment Company, Harvey, Ill.

734—CRANES, ROPE DRIVEN.

Lane Manufacturing Company, Montpelier, Vt.

735—CRATES.

(See Boxes, Packing.)

736—CRAYONS.

Binney & Smith Company, New York.
The Sewing Machine Supplies Company, Boston, Mass.
D. M. Steward Manufacturing Company, Chattanooga, Tenn.

737—CREAM, EVAPORATED.

Borden's Condensed Milk Company, New York.
Helvetia Milk Condensing Company, Highland, Ill.
Van Camp Packing Company, Indianapolis, Ind.

738—CREAM OF TARTAR.

E. C. Hazard & Co., New York.
Franklin H. Kalbfleisch Company, New York.
Charles Pfizer & Co., New York.

739—CREAMERY SUPPLIES.

The De Laval Separator Company, New York.
Elgin Butter Tub Company, Elgin, Ill.
Iowa Dairy Separator Company, Waterloo, Iowa.
P. M. Sharples, West Chester, Pa.
Union Steam Pump Company, Battle Creek, Mich.
Vermont Farm Machine Company, Bellows Falls, Vt.

740—CROOKS, SHEPHERDS'.

Iowa Farming Tool Company, Fort Madison, Iowa.

741—CROSSINGS, RAILWAY.

(See Frogs and Switches.)

742—CROWBARS.

W. H. Anderson & Sons, Inc., Detroit, Mich.
Dunham, Carrigan & Hayden Company, San Francisco, Cal.
The Evansville Tool Works, Evansville, Ind.
Iron City Tool Works, Ltd., Pittsburg, Pa.
The Klein-Logan Company, Pittsburg, Pa.

742—CROWBARS—Continued.

Arthur J. O'Leary & Son Company, Chicago, Ill.
Oliver Iron and Steel Company, Pittsburg, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Solid Steel Tool and Forge Company, Pittsburg, Pa.
Union Drop Forge Company, Chicago, Ill.
Verona Tool Works, Pittsburg, Pa.
Warwood Tool Company, Wheeling, W. Va.

743—CRUCIBLES, BLACK LEAD.

The Denver Fire Clay Company, Denver, Col.
Joseph Dixon Crucible Company, Jersey City, N. J.
R. B. Seidel, Inc., Philadelphia, Pa.

744—CRUCIBLES, FIRE CLAY.

The Bridgeport Crucible Company, Bridgeport, Conn.
The Denver Fire Clay Company, Denver, Col.

745—CRUSHER PLATES.

Chrome Steel Works, Brooklyn, N. Y.
Midvale Steel Company, Philadelphia, Pa.
Taylor Iron and Steel Company, High Bridge, N. J.

746—CRUSHER RINGS.

Latrobe Steel Company, Philadelphia, Pa.
Midvale Steel Company, Philadelphia, Pa.
Standard Steel Works, Philadelphia, Pa.

747—CRUSHER SHELLS.

Latrobe Steel Company, Philadelphia, Pa.

748—CRUSHERS, CLAY.

C. O. Bartlett & Snow Company, Cleveland, Ohio.
Bonnot Company, Canton, Ohio.
Chambers Bros. Company, Philadelphia, Pa.
The Crossley Manufacturing Company, Trenton, N. J.
Eagle Iron Works, Des Moines, Iowa.
The Frost Manufacturing Company, Galesburg, Ill.
Green's Car Wheel Manufacturing Company, St. Louis, Mo.
The Griffith & Wedge Company, Zanesville, Ohio.
Kaestner & Co., Inc., Chicago, Ill.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
The C. W. Raymond Company, Dayton, Ohio.
The Rockwood Manufacturing Company, Indianapolis, Ind.
John E. Thropp's Sons' Co., Trenton, N. J.
Milton F. Williams Manufacturing Company, St. Louis, Mo.

749—CRUSHERS, STONE AND ORE.

(See Machinery, Crushing and Pulverizing.)

750—CRUTCHES.

A. A. Marks, New York.

751—CUFFS, LINEN.

William Barker Company, Troy, N. Y.
Cluett, Peabody & Co., Troy, N. Y.
H. C. Curtis Company, Troy, N. Y.
Earl & Wilson, New York.
Fellows & Co., Troy, N. Y.
Hall, Hartwell & Co., Troy, N. Y.
Henry Holmes, Troy, N. Y.

751—CUFFS, LINEN—Continued.

Geo. P. Ide & Co., Troy, N. Y.
International Shirt and Collar Company, Troy, N. Y.
S. L. Munson, Albany, N. Y.
Searle Manufacturing Company, Troy, N. Y.
Tim & Co., Inc., Troy, N. Y.
Van Zandt, Jacobs & Co., Troy, N. Y.
United Shirt and Collar Company, Troy, N. Y.

752—CULTIVATORS, HAND.

(See also Tools, Farm and Garden.)

S. L. Allen & Co., Philadelphia, Pa.
Bateman Manufacturing Company, Grenloch, N. J.
Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Brinly-Hardy Company, Louisville, Ky.
Deere & Mansur Company, Moline, Ill.
Syracuse Chilled Plow Company, Syracuse, N. Y.
D. A. Tompkins Company, Charlotte, N. C.

753—CULTIVATORS, HORSE.

S. L. Allen & Co., Philadelphia, Pa.
American Harrow Company, Detroit, Mich.
Bateman Manufacturing Company, Grenloch, N. J.
Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
E. Bement's Sons, Lansing, Mich.
David Bradley Manufacturing Company, Bradley, Ill.
Brown Manufacturing Company, Zanesville, Ohio.
Buffalo Pitts Company, Buffalo, N. Y.
Collins Plow Company, Quincy, Ill.
Deer & Mansur Company, Moline, Ill.
Deere & Co., Moline, Ill.
Deere & Webber Company, Minneapolis, Minn.
H. P. Deuscher Company, Hamilton, Ohio.
Emerson Manufacturing Company, Rockford, Ill.
The Empire Plow Company, Cleveland, Ohio.
Gale Manufacturing Company, Albion, Mich.
Hapgood Plow Company, Alton, Ill.
Hench, Dromgold & Co., York, Pa.
International Harvester Company of America, Chicago, Ill.
Keystone Farm Machine Company, York, Pa.
King & Hamilton Company, Ottawa, Ill.
Roderick Lean Manufacturing Company, Mansfield, Ohio.
Long & Allstatter Company, Hamilton, Ohio.
Moline Plow Company, Moline, Ill.
The Ohio Cultivator Company, Bellevue, Ohio.
Racine-Sattley Company, Springfield, Ill.
Rock Island Plow Company, Rock Island, Ill.
South Bend Chilled Plow Company, South Bend, Ind.
Wiard Plow Company, Batavia, N. Y.

754—CUPOLA LININGS.

(See Linings, Clay, Fireproof.)

755—CUPOLAS, FOUNDRY.

Fischer Foundry and Machine Company, Pittsburg, Pa.
Lookout Boiler and Manufacturing Company, Chattanooga, Tenn.
James McNeil & Bro. Company, Pittsburg, Pa.
Manning, Maxwell & Moore, New York.
John Mohr & Sons, Chicago, Ill.
Northern Engineering Works, Detroit, Mich.

755—CUPOLAS, FOUNDRY—Continued.

J. W. Paxson Co., Philadelphia, Pa.
The Reeves Brothers Company, Alliance, Ohio.
Whiting Foundry Equipment Company, Harvey, Ill.

756—CURRYCOMBS.

John H. Graham & Co., New York.
Jackes-Evans Manufacturing Company, St. Louis, Mo.
F. E. Kohler & Co., Canton, Ohio.
New York Stamping Company, Brooklyn, N. Y.

757—CURTAIN FIXTURES, CAR WINDOW.

Dayton Manufacturing Company, Dayton, Ohio.
Federal Manufacturing Company, Cleveland, Ohio.
Stewart Hartshorn Company, East Newark, N. J.
Haviland Shade Roller Company, New York.
National Lock Washer Company, Newark, N. J.
Russell & Erwin Manufacturing Company, New Britain, Conn.
St. Louis Car Company, St. Louis, Mo.

758—CURTAIN FIXTURES, CARRIAGE.

Higgin Manufacturing Company, Newport, Ky.
Schubert Bros. Gear Company, Oneida, N. Y.

759—CURTAIN POLES.

Piqua Handle and Manufacturing Company, Piqua, Ohio.
Sanborn, Vail & Co., San Francisco, Cal.
Toledo Moulding Company, Toledo, Ohio.

760—CURTAINS, CARRIAGE AND CAR.

L. C. Chase & Company, Boston, Mass.
Federal Manufacturing Company, Cleveland, Ohio.
Hale & Kilburn Manufacturing Company, Philadelphia, Pa.
National Lock Washer Company, Newark, N. J.

761—CURTAINS, CHENILLE.

John Bromley & Sons, Philadelphia, Pa.
Hoyle, Harrison & Kaye, Philadelphia, Pa.

762—CURTAINS, LACE.

John Bromley & Sons, Philadelphia, Pa.
Joseph H. Bromley, Philadelphia, Pa.

763—CURTAINS, TAPESTRY.

John Bromley & Sons, Philadelphia, Pa.
Hoyle, Harrison & Kaye, Philadelphia, Pa.
Manville Company, Providence, R. I.

764—CUSHIONS.

R. Blankenburg & Co., Philadelphia, Pa.
Kelly Foundry and Machine Company, Goshen, Ind.
A. J. Logan & Co., Pittsburg, Pa.
P. R. Mitchell Company, Cincinnati, Ohio.

765—CUSHIONS, AIR.

Davol Rubber Company, Providence, R. I.
B. F. Goodrich Company, Akron, Ohio.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Hodgman Rubber Company, New York.
Tyer Rubber Company, Andover, Mass.

766—CUSHIONS, BILLIARD.

Boston Belting Company, Boston, Mass.

767—CUSHIONS, CARRIAGE.

William G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
Safety Buggy Company, Lancaster, Pa.

768—CUT-OUTS, ELECTRIC.

(See Circuit Breakers, Automatic.)

769—CUTLERY.

American Cutlery Company, Chicago, Ill.
Clement Manufacturing Company, Northampton, Mass.
The Cronk and Carrier Manufacturing Company, Elmira, N. Y.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
Dunham, Carrigan & Hayden Company, San Francisco, Cal.
Goodell Company, Antrim, N. H.
International Cutlery Company, Fremont, Ohio.
Lamson & Goodnow Manufacturing Company, Shelbourne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
Northampton Cutlery Company, Northampton, Mass.
Ontario Silver Company, Muncie, Ind.
Simeon L. & George H. Rogers Company, Hartford, Conn.
Henry T. Seymour Shear Company, New York.
Walden Knife Company, Walden, N. Y.
Wiebusch & Hilger, Ltd., New York.
J. Wiss & Sons Co., Newark, N. J.

770—CUTTER HEADS.

(See Heads, Cutter.)

771—CUTTERS, BAR, BIT, ETC.

Buffalo Forge Company, Buffalo, N. Y.
The Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Samuel J. Shimer & Sons, Milton, Pa.

772—CUTTERS, COAL.

Ingersoll-Sergeant Drill Company, New York.
Jeffrey Manufacturing Company, Columbus, Ohio.
Morgan-Gardner Electric Company, Chicago, Ill.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Sullivan Machinery Company, Chicago, Ill.
George D. Whitcomb Company, Chicago, Ill.

773—CUTTERS, FEED AND ENSILAGE.

Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Belle City Manufacturing Company, Racine Junction, Wis.
Blymyer Iron Works Company, Cincinnati, Ohio.
A. Buch's Sons Company, Elizabethtown, Pa.
Cardwell Machine Company, Richmond, Va.
The S. Freeman & Sons Manufacturing Company, Racine, Wis.
Humphrey & Sons, Joliet, Ill.
Keystone Farm Machine Company, York, Pa.
Marseilles Manufacturing Company, Marseilles, Ill.
Silver Manufacturing Company, Salem, Ohio.

774—CUTTERS, GEAR.

Brown & Sharpe Manufacturing Company, Providence, R. I.
Gould & Eberhardt, Newark, N. J.

774—CUTTERS, GEAR—Continued.

Manning, Maxwell & Moore, New York.
F. E. Reed Company, Worcester, Mass.
William Sellers & Co., Inc., Philadelphia, Pa.

775—CUTTERS, GLASS.

Goodell-Pratt Company, Greenfield, Mass.
The Standard Optical Company, Geneva, N. Y.

776—CUTTERS, MEAT.

(See also Choppers, Food.)

Brecht B. S. Co., St. Louis, Mo.

777—CUTTERS, MILLING.

P. Blaisdell & Co., Worcester, Mass.
Brown & Sharpe Manufacturing Company, Providence, R. I.
Cincinnati Milling Machine Company, Cincinnati, Ohio.
Cleveland Twist Drill Company, Cleveland, Ohio.
Eagle Bicycle Manufacturing Company, Torrington, Conn.
The Garvin Machine Company, New York.
Geometric Drill Company, New Haven, Conn.
Gould & Eberhardt, Newark, N. J.
The Ingersoll Milling Machine Company, Rockford, Ill.
Manning, Maxwell & Moore, New York.
Morse Twist Drill and Machine Company, New Bedford, Mass.
Niles-Bement-Pond Company, New York.
Rockford Bit Company, Kokomo, Ind.
William Sellers & Co., Inc., Philadelphia, Pa.
Standard Tool Company, Cleveland, Ohio.
Whitney Manufacturing Company, Hartford, Conn.

778—CUTTERS, PAPER.

Atlantic Works, East Boston, Mass.
Barnhart Bros. & Spindler, Chicago, Ill.
The Challenge Machinery Company, Grand Haven, Mich.
Chandler & Price Company, Cleveland, Ohio.
Golding Manufacturing Company, Boston, Mass.
The W. O. Hickok Manufacturing Company, Harrisburg, Pa.
Keystone Type Foundry, Philadelphia, Pa.
John Loyd Company, New York.
National Novelty Corporation, New York.
The Seybold Machine Company, Dayton, Ohio.
The Sigourney Tool Company, Hartford, Conn.
A. A. Simonds & Son Company, Dayton, Ohio.
The Samuel C. Tatum Company, Cincinnati, Ohio.
Taylor, Stiles & Co., Riegelsville, N. J.
L. & I. J. White Company, Buffalo, N. Y.

779—CUTTERS, PIPE.

(See Tools, Pipe Fitters'.)

780—CUTTERS, POTATO.

Aspinwall Manufacturing Company, Jackson, Mich.
Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Belle City Manufacturing Company, Racine Junction, Wis.
A. Buch's Sons Company, Elizabethtown, Pa.
Goodell Company, Antrim, N. H.

781—CUTTERS, SHOE.

The Sewing Machine Supplies Company, Boston, Mass.

782—CUTTERS, STALK.

Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
David Bradley Manufacturing Company, Bradley, Ill.
J. I. Case Threshing Machine Company, Racine, Wis.
Deere & Mansur Company, Moline, Ill.
Emerson Manufacturing Company, Rockford, Ill.
Moline Plow Company, Moline, Ill.
Rock Island Plow Company, Rock Island, Ill.
South Bend Chilled Plow Company, South Bend, Ind.

783—CUTTERS, TOBACCO.

John B. Adt, Baltimore, Md.
George H. Bishop & Co., Lawrenceburg, Ind.
Buckeye Iron and Brass Works, Dayton, Ohio.
The Cardwell Machine Company, Richmond, Va.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
The Miller, Du Brul & Peters Manufacturing Company, Cincinnati, Ohio.
National Novelty Corporation, New York.
North Brothers Manufacturing Company, Philadelphia, Pa.
Simonds Manufacturing Company, Fitchburg, Mass.
Wrightsville Hardware Company, Wrightsville, Pa.

784—CUTTERS, WIRE AND SPRUE.

Baird Machinery Company, Pittsburg, Pa.
The W. P. Davis Machine Company, Rochester, N. Y.
Manning, Maxwell & Moore, New York.
The A. H. Nilson Machine Company, Bridgeport, Conn.
H. K. Porter, Everett, Mass.
Railway Appliances Company, Chicago, Ill.
F. B. Shuster Company, New Haven, Conn.
L. S. Starrett Company, Athol, Mass.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

785—CUTTERS AND SHREDDERS, RAG.

A. A. Simonds & Son Company, Dayton, Ohio.
Taylor, Stiles & Co., Riegelsville, N. J.

786—CYCLOMETERS.

John H. Graham & Co., New York.
New Departure Manufacturing Company, Bristol, Conn.
Trenton Watch Company, Trenton, N. J.

787—CYANIDE GOLD EXTRACTING PLANTS.

(See also Machinery, Concentrating and Smelting.)

Allis-Chalmers Company, Chicago, Ill.
Caird & Hawksworth, Helena, Mont.
Consolidated Pipe Company, Los Angeles. Cal.

788—CYLINDERS, BAKING AND CREOSOTING.

James McNeil & Bro. Company, Pittsburg, Pa.
The Reeves Brothers Company, Alliance, Ohio.

789—DAIRY SUPPLIES.

(See Creamery Supplies.)

790—DAMPERS, STOVE PIPE.

Arcade Manufacturing Company, Freeport, Ill.
Kelly & Jones Company, New York.
The Mason Regulator Company, Boston, Mass.
Stover Manufacturing Company, Freeport, Ill.
Taylor & Boggis Foundry Company, Cleveland, Ohio.

791—DANDY ROLLS.

Cheney Bigelow Wire Works, Springfield, Mass.
Eastwood Wire Manufacturing Company, Bellevue, Ill.
W. S. Tyler Company, Cleveland, Ohio.

792—DECKING, SHIP.

Tacoma Mill Company, San Francisco, Cal.

793—DECORATORS.

Irving & Casson, Boston, Mass.

794—DECORATORS' FABRICS.

(See also Upholstery Fabrics.)

Cheney Brothers, Inc., South Manchester, Conn.
H. B. Wiggin's Sons Company, Bloomfield, N .J.

795—DEMAGNETIZERS, WATCH.

Holtzer-Cabot Electric Company, Brookline, Mass.

796—DENTAL SUPPLIES.

Chicago Wheel and Manufacturing Company, Chicago, Ill.
Consolidated Dental Manufacturing Company, New York.
B. F. Goodrich Company, Akron, Ohio.
The Hamilton Manufacturing Company, Two Rivers, Wis.
Morgan & Wright, Chicago, Ill.
The Ransom & Randolph Company, Toledo, Ohio.
S. S. White Dental Manufacturing Company, Philadelphia, Pa.

797—DENTIFRICE.

Hall & Ruckel, New York.
Lazell, Dalley & Co., New York.
Parke, Davis & Co., Detroit, Mich.
Swanson Rheumatic Cure Company, Chicago, Ill.
S. S. White Dental Manufacturing Company, Philadelphia, Pa.

798—DERRICKS.

American Hoist and Derrick Company, St. Paul, Minn.
Bodley Wagon Company, Memphis, Tenn.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Thomas Carlin's Sons Company, Allegheny, Pa.
Contractors' Plant Manufacturing Company, Buffalo, N. Y.
The Hayward Company, New York.
Heyl & Patterson, Pittsburg, Pa.
Humphrey & Sons, Joliet, Ill.
Keystone Driller Company, Beaver Falls, Pa.
Lambert Hoisting Engine Company, Newark, N. J.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Lidgerwood Manufacturing Company, New York.
McMyler Manufacturing Company, Cleveland, Ohio.
Macbeth Iron Company, Cleveland, Ohio.
Marion Steam Shovel Company, Marion, Ohio.
Modern Steel Structural Company, Waukesha, Wis.
Northern Engineering Works, Detroit, Mich.
Wm. J. Oliver Manufacturing Company, Knoxville, Tenn.
Parsons Band Cutter and Self-Feeder Company, Newton, Iowa.
Syracuse Chilled Plow Company, Syracuse, N. Y.

799—DESKS, CHILDREN'S.

American School Furniture Company, Chicago, Ill.
R. O. Evans & Co., Ownesboro, Ky.
New Jersey School-Church Furniture Company, Trenton, N. J.

800—DESKS, FLAT AND ROLL TOP.

The A. H. Andrews Company, Chicago, Ill.
Bentley & Gerwig Furniture Company, Parkersburg, W. Va.
Derby Desk Company, Boston, Mass.
J. F. Dietz & Co., Cincinnati, Ohio.
Feige Desk Company, Saginaw, Mich.
Globe-Wernicke Company, Cincinnati, Ohio.
Gregory, Mayer & Thom Company, Detroit, Mich.
H. Herrmann, New York.
Michigan Chair Company, Grand Rapids, Mich.
Nelson-Matter Furniture Company, Grand Rapids, Mich.
Sheldon Novelty Company, Kankakee, Ill.
Standard Furniture Company, Herkimer, N. Y.
Utica Cabinet Company, Knoxville, Tenn.

801—DESKS, FOLDING.

The Macey-Wernicke Company, Ltd., Grand Rapids, Mich.
Skandia Furniture Company, Rockford, Ill.
Standard Furniture Company, Herkimer, N. Y.
Toledo Cooker Company, Toledo, Ohio.

802—DESKS, PARLOR.

Michigan Chair Company, Grand Rapids, Mich.
Sheldon Novelty Company, Kankakee, Ill.
Skandia Furniture Company, Rockford, Ill.
The Spencer & Barnes Company, Benton Harbor, Mich.
The Udell Works, Indianapolis, Ind.

803—DESKS, READING.

The A. H. Andrews Company, Chicago, Ill.

804—DESKS, SCHOOL.

American School Furniture Company, Chicago, Ill.
The A. H. Andrews Company, Chicago, Ill.
R. O. Evans & Co., Owensboro, Ky.
New Jersey School-Church Furniture Company, Trenton, N. J.
Sheldon Novelty Company, Kankakee, Ill.

805—DEXTRINE.

(See Gum, British.)

806—DIAMOND CUTTING.

Stern Bros. & Co., New York.

807—DIAMONDS.

B. A. Ballou & Co., Providence, R. I.
Durand & Co., Newark, N. J.
Eisenstadt Manufacturing Company, St. Louis, Mo.
Leonard Krower, New Orleans, La.
Ludwig Nissen & Co., New York.
Stern Bros. & Co., New York.

808—DIAPHRAGMS, RUBBER.

Boston Belting Company, Boston, Mass.
Hartford Rubber Works Company, Hartford, Conn.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.

809—DIES, CUTTING.

The J. F. W. Dorman Company, Baltimore, Md.
The Elliott Company, Boston, Mass.
Ferracute Machine Company, Bridgeton, N. J.

809—DIES, CUTTING—Continued.

Hoggson & Pettis Manufacturing Company, New Haven, Conn.
John Loyd Company, New York.
Niagara Machine and Tool Works, Buffalo, N. Y.
Reed Manufacturing Company, Erie, Pa.
J. M. Robinson Manufacturing Company, Cincinnati, Ohio.

810—DIES, SCREW CUTTING.

(See Taps and Dies.)

811—DIES, STAMPING AND FORMING.

The J. F. W. Dorman Company, Baltimore, Md.
The Embossing Company, Albany, N. Y.
Ferracute Machine Company, Bridgeton, N. J.
National Machinery Company, Tiffin, Ohio.
Niagara Machine and Tool Works, Buffalo, N. Y.
F. B. Shuster Company, New Haven, Conn.
Transue & Williams Company, Alliance, Ohio.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
J. B. Wise, Watertown, N. Y.

812—DIGGERS, POST HOLE.

Aspinwall Manufacturing Company, Jackson, Mich.
Avery Stamping Company, Cleveland, Ohio.
Brown Manufacturing Company, Zanesville, Ohio.
Henry Disston & Sons, Inc., Philadelphia, Pa.
F. E. Kohler & Co., Canton, Ohio.

813—DIGGERS, POTATO.

(See Potato Diggers.)

814—DISHES, PAPER AND WOOD.

The Michigan Barrel Company, Grand Rapids, Mich.
Mullen Brothers Paper Company, St. Joseph, Mich.
The J. F. Sefton Manufacturing Company, Chicago, Ill.

815—DISINFECTANTS.

Samuel Cabot, Boston, Mass.
The Cleveland-Cliffs Iron Company, Cleveland, Ohio.
The Western Chemical Manufacturing Company, Denver, Col.

816—DISINFECTING APPARATUS.

Greenpoint Metallic Bed Company, Brooklyn, N. Y.
Kny-Scheerer Company, New York.

817—DISINTEGRATORS.

(See Machinery, Crushing and Pulverizing.)

818—DISTILLERS.

Freiberg & Workum, Cincinnati, Ohio.
Moore & Sinnott, Philadelphia, Pa.

819—DISTILLING APPARATUS, WATER.

Angle Manufacturing Company, New York.
Hoffman-Ahlers Company, Inc., Cincinnati, Ohio.
A. H. Peirce Manufacturing Company, Chicago, Ill.
Sugar Apparatus Manufacturing Company, Philadelphia, Pa.
United Gas Improvement Company, Philadelphia, Pa.
Western Gas Construction Company, Fort Wayne, Ind.
R. D. Wood & Co., Philadelphia, Pa.

820—DISTILLING APPARATUS, WOOD ALCOHOL.

Hoffman-Ahlers Company, Inc., Cincinnati, Ohio.
John Trageser Steam Copper Works, New York.

821—DITCHERS, RAILROAD.

Marion Steam Shovel Company, Marion, Ohio.
Western Wheeled Scraper Company, Aurora, Ill.

822—DOMINOES.

United States Playing Card Company, Cincinnati, Ohio.

823—DOORS, COLD STORAGE.

B. A. Stevens, Toledo, Ohio.

824—DOORS, FIRE.

(See also Doors, Iron and Steel.)

Coburn Trolley Track Manufacturing Company, Holyoke, Mass.
The J. L. Mott Iron Works, New York.
The Van Dorn Iron Works Company, Cleveland, Ohio.
Wilcox Manufacturing Company, Aurora, Ill.

825—DOORS, GRAIN, FOR FREIGHT CARS.

McGuire-Cummings Manufacturing Company, Chicago, Ill.

826—DOORS, IRON AND STEEL.

Berlin Construction Company, Berlin, Conn.
The Champion Iron Company, Kenton, Ohio.
Coburn Trolley Track Manufacturing Company, Holyoke, Mass.
The Kinnear Manufacturing Company, Columbus, Ohio.
The "Long-Arm" System Company, Cleveland, Ohio.
Merritt & Co., Inc., Philadelphia, Pa.
Milliken Brothers, New York.
The J. L. Mott Iron Works, New York.
The Standard Company, Chicago, Ill.
The Van Dorn Iron Works Company, Cleveland, Ohio.
Jno. Williams, New York.
Jas. G. Wilson Manufacturing Company, New York.

827—DOORS, MARQUISE, VESTIBULE AND STORM.

The J. L. Mott Iron Works, New York.

828—DOORS, SAFETY WATER-TIGHT, FOR SHIPS.

The "Long-Arm" System Company, Cleveland, Ohio.

829—DOORS, SASH AND BLINDS.

Avery & Co., Saginaw, Mich.
E. Bailey & Sons, Inc., Patchogue, N. Y.
Barclay Brothers, Sinnamahoning, Pa.
Bartlett & Co., Binghamton, N. Y.
Bering Manufacturing Company, Inc., Houston, Tex.
Louis Bossert & Son, Brooklyn, N. Y.
Broadway Manufacturing Company, Leavenworth, Kan.
Butters Lumber Company, Boardman, Columbus County, N. C.
The California Door Company, San Francisco, Cal.
The Central Sash and Door Company, Topeka, Kan.
Dayton Lumber and Manufacturing Company, Dayton, Ohio.
R. H. Downman, New Orleans, La.
Ducker Company, New York.
The Edwards Lumber and Coal Company, Long Branch, N. J.
Foster-Lothman Mills, Oshkosh, Wis.
Foster Lumber Company, Indianapolis, Ind.

829—DOORS, SASH AND BLINDS—Continued.

Fuller & Rice Lumber and Manufacturing Company, Grand Rapids, Mich.
John A. Gauger & Co., Chicago, Ill.
Henry Gaus & Sons Manufacturing Company, St. Louis, Mo.
Edward Germain, Saginaw, Mich.
Hafner Manufacturing Company, St. Louis, Mo.
The Hallack & Howard Lumber Company, Denver, Col.
Hammond Lumber Company, San Francisco, Cal.
C. A. Hooper & Co., San Francisco, Cal.
Hughes Manufacturing Company, Los Angeles, Cal.
Huttig Sash and Door Company, St. Louis, Mo.
Elisha K. Kane, Kushequa, Pa.
Charles C. Kellogg & Sons Company, Utica, N. Y.
Laird, Norton Co., Winona, Minn.
McConnell Manufacturing Company, Hornellsville, N. Y.
Massee & Felton Lumber Company, Macon, Ga.
Mershon, Schuette, Parker & Co., Saginaw, Mich.
Wm. Miller & Sons, Inc., Rochester, Pa.
Montgomery Brothers & Co., Buffalo, N. Y.
Nollau & Wolff Manufacturing Company, Chicago, Ill.
John C. Orr & Co., Brooklyn, N. Y.
Paine Lumber Company, Ltd., Oshkosh, Wis.
Park, Winton & True, Addison, N. Y.
J. E. Patterson & Co., Wilkes-Barre, Pa.
Phoenix Planing Mill, Atlanta, Ga.
Pope & Talbot, San Francisco, Cal.
W. A. Preston, Benton Harbor, Mich.
Radford Brothers & Co., Oshkosh, Wis.
The F. A. Requarth Company, Dayton, Ohio.
Rhinesmith & Simonson, Fort Wayne, Ind.
A. Roberson & Son, Binghamton, N. Y.
Robinson Manufacturing Company, Everett, Wash.
Rock Island Sash and Door Works, Rock Island, Ill.
Scott-Graff Lumber Company, Duluth, Minn.
Standard Millwork Company, Cincinnati, Ohio.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.
Stetson & Post Mill Company, Seattle, Wash.
J. N. Struck & Bro., Inc., Louisville, Ky.
Henry Taylor Lumber Company, Lafayette, Ind.
The Wheeler Osgood Company, Tacoma, Wash.
John F. Wilcox, Minneapolis, Minn.
A. & S. Wilson Company, Pittsburg, Pa.
Jas. G. Wilson Manufacturing Company, New York.
Woodward Lumber Company, Atlanta, Ga.

830—DOORS, SCREEN.

Higgin Manufacturing Company, Newport, Ky.
Owosso Manufacturing Company, Owosso, Mich.

831—DOORS, VENEERED.

The Compound Door Company, St. Joseph, Mo.
Foster Lumber Company, Indianapolis, Ind.
Kertscher & Co., New York.
McConnell Manufacturing Company, Hornellsville, N. Y.
Wm. Miller & Sons, Inc., Rochester, Pa.
Paine Lumber Company, Ltd., Oshkosh, Wis.
Park, Winton & True, Addison, N. Y.
Henry Taylor Lumber Company, Lafayette, Ind.

832—DRAWERS, CASH.

(See Tills, Alarm.)

833—DRAWING FRAMES, COTTON.

Mason Machine Works, Taunton, Mass.
Saco and Pettee Machine Shops, Newton Upper Falls, Mass.
Whitin Machine Works, Whitinsville, Mass.

834—DRAWING ROLLS, COTTON.

Whitin Machine Works, Whitinsville, Mass.

835—DREDGES.

The Bucyrus Company, South Milwaukee, Wis.
E. J. Codd Company, Baltimore, Md.
Globe Iron Works, Stockton, Cal.
Great Lakes Engineering Works, Detroit, Mich.
The Hayward Company, New York.
Joshua Hendy Machine Works, San Francisco, Cal.
Jackson & Church Company, Saginaw, Mich.
Jeffrey Manufacturing Company, Columbus, Ohio.
Keystone Driller Company, Beaver Falls, Pa.
Lambert Hoisting Engine Company, Newark, N. J.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Link-Belt Machinery Company, Chicago, Ill.
Marion Steam Shovel Company, Marion, Ohio.
Puget Sound Bridge and Dredging Company, Seattle, Wash.
Quintard Iron Works Company, New York.
The Vulcan Iron Works Company, Toledo, Ohio.
Willamette Iron and Steel Works, Portland, Ore.

836—DREDGES, ELEVATOR.

The Bucyrus Company, South Milwaukee, Wis.
Globe Iron Works, Stockton, Cal.
Great Lakes Engineering Works, Detroit, Mich.
Joshua Hendy Machine Works, San Francisco, Cal.
Jeffrey Manufacturing Company, Columbus, Ohio.
Keystone Driller Company, Beaver Falls, Pa.
Link-Belt Machinery Company, Chicago, Ill.

837—DRESS GOODS, COTTON.

Arkwright Mills, Fall River, Mass.
Arnold Print Works, North Adams, Mass.
Aurora Cotton Mills, Burlington, N. C.
Barnaby Manufacturing Company, Fall River, Mass.
Barnard Manufacturing Company, Fall River, Mass.
Berkshire Cotton Manufacturing Company, Adams, Mass.
Boott Cotton Mills, Boston, Mass
The H. B. Claflin Company, New York.
Eagle and Phenix Mills, Columbus, Ga.
Glencoe Mills, Burlington, N. C.
Benj. W. Greer, Philadelphia, Pa.
Grinnell Manufacturing Corporation, New Bedford, Mass.
Hamburger Cotton Mills, Columbus, Ga.
Hamilton Manufacturing Company, Boston, Mass.
The Hathaway Manufacturing Company, New Bedford, Mass
Holt-Granite Manufacturing Company, Haw River, N. C.
The Lane Mills, New Orleans, La.
The Long Brothers Company, Philadelphia, Pa.
Lorraine Manufacturing Company, Pawtucket, R. I.
Manville Company, Providence, R. I.

837—DRESS GOODS, COTTON—Continued.

Meridian Cotton Mills, Meridian, Miss.
Merrimack Manufacturing Company, Boston, Mass.
Meyer & Goetze, New York.
Millville Manufacturing Company, Philadelphia, Pa.
Monaghan Mills, Greenville, S. C.
Odell Manufacturing Company, Concord, N. C.
Parkhill Manufacturing Company, Fitchburg, Mass.
Pierce Manufacturing Corporation, New Bedford, Mass.
Potomska Mills Corporation, New Bedford, Mass.
Sibley Manufacturing Company, Augusta, Ga.
Slater Cotton Company, Pawtucket, R. I.
J. L. Stifel & Sons, Wheeling, W. Va.
Swift Manufacturing Company, Columbus, Ga.
Victor Manufacturing Company, Greers, S. C.
Wamsutta Mills, New Bedford, Mass.
Warren Manufacturing Company, Warren, R. I.
Paul Whitin Manufacturing Company, Northbridge, Mass.

838—DRESS GOODS, SILK.

Arnold Print Works, North Adams, Mass.
Astoria Silk Works, Long Island City, N. Y.
Brainerd & Armstrong Company, New London, Conn.
The Cedar Cliff Silk Company, Paterson, N. J.
Cheney Brothers, Inc., South Manchester, Conn.
The H. B. Claflin Company, New York.
D. G. Dery, Catasauqua, Pa.
Dexter, Lambert & Co., Paterson, N. J.
The Doherty & Wadsworth Company, Paterson, N. J.
Fichter & Martin, Bethlehem, Pa.
Hess, Goldsmith & Co., New York.
Lock Haven Silk Company, Lock Haven, Pa.
Sauquoit Silk Manufacturing Company, Nicetown, Philadelphia, Pa.
The William Strange Company, New York.
Susequehanna Silk Mills, New York.
York Silk Manufacturing Company, York, Pa.

839—DRESS GOODS, WOOLEN.

Arnold Print Works, North Adams, Mass.
Wm. Broadhead & Sons, Jamestown, N. Y.
The H. B. Claflin Company, New York.
Deering, Milliken & Co., New York.
Folwell, Bro. & Co., Inc., Philadelphia, Pa.
Hamilton Woolen Company, Boston, Mass.
George C. Hetzel & Co., Chester, Pa.
Thomas Kitson & Son, Stroudsburg, Pa.
Knoxville Woolen Mills, Knoxville, Tenn.
The Long Brothers Company, Philadelphia, Pa.
Meyer & Goetze, New York.
Park Woolen Mills, Rossville, Ga.
Peace Dale Manufacturing Company, Peace Dale, R. I.
Raritan Woolen Mills, New York.
The S. N. & C. Russell Manufacturing Company, Pittsfield, Mass.
Southwark Mills Company, Philadelphia, Pa.
Talbot Mills, North Billerica, Mass.
John Williams Manufacturing Company, Philadelphia, Pa.
William Wood & Co., Philadelphia, Pa.
Zanesville Woolen Manufacturing Company, Zanesville, Ohio.

840—DRESS GOODS, WORSTED.

Botany Worsted Mills, Passaic, N. J.
Wm. Broadhead & Sons, Jamestown, N. Y.
The H. B. Claflin Company, New York.
Farr Alpaca Company, Holyoke, Mass.
Folwell, Bro. & Co., Inc., Philadelphia, Pa.
Benj. W. Greer, Philadelphia, Pa.
Hamilton Woolen Company, Boston, Mass.
George C. Hetzel & Co., Chester, Pa.
The Jamestown Worsted Mills, Jamestown, N. Y.
The Long Brothers Company, Philadelphia, Pa.
Lorraine Manufacturing Company, Pawtucket, R. I.
Lymansville Company, Providence, R. I.
Meyer & Goetze, New York.
Peace Dale Manufacturing Company, Peace Dale, R. I.
Southwark Mills Company, Philadelphia, Pa.
William Wood & Co., Philadelphia, Pa.

841—DRESS SHIELDS, RUBBER.

Canfield Rubber Company, Bridgeport, Conn.

842—DRESSERS AND SCALPERS, FLOUR.

Allis-Chalmers Company, Chicago, Ill.
Huntley Manufacturing Company, Silver Creek, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.
Richmond City Mill Works, Richmond, Ind.
Sprout, Waldron & Co., Muncy, Pa.
The Wolf Company, Chambersburg, Pa.

843—DRESSERS, EMERY WHEEL.

Hoffman Hinge and Foundry Company, Cleveland, Ohio
Norton Emery Wheel Company, Worcester, Mass.
Reed Manufacturing Company, Erie, Pa.

844—DRESSING, BELT.

Alexander Brothers, Philadelphia, Pa.
Bradford Belting Company, Cincinnati, Ohio.
Chicago Belting Company, Chicago, Ill.
Joseph Dixon Crucible Company, Jersey City, N. J.
E. F. Houghton & Co., Philadelphia, Pa.
Jewell Belting Company, Hartford, Conn.
Keystone Lubricating Company, Philadelphia, Pa.
New York Leather Belting Company, New York.
Page Belting Company, Concord, N. H.
Charles A. Schieren & Co., New York.
Shultz Belting Company, St. Louis, Mo.
Stephenson Manufacturing Company, Albany, N. Y.
Union Petroleum Company, Philadelphia, Pa.

845—DRESSING CASES, LEATHER.

Headley & Farmer Company, Newark, N. J.
C. F. Rumpp & Sons, Philadelphia, Pa.

846—DRESSING, HARNESS.

Frank Miller Company, New York.
Chas. A. Schieren & Co., New York.
Levi Smith, North Clarendon, Pa.

847—DRESSING, LEATHER.

E. F. Houghton & Co., Philadelphia, Pa.
Frank Miller Company, New York.

847—DRESSING, LEATHER—Continued.

Restorff & Bettmann, New York.
The Sewing Machine Supplies Company, Boston, Mas
Levi Smith, North Clarendon, Pa.
Whittemore Brothers & Co., Cambridge, Mass.

848—DRESSING SACQUES.

Galland Brothers, New York.
Standard Manufacturing Company, Jackson, Mich.

849—DRESSINGS, ANTISEPTIC AND SURGICAL.

The G. F. Harvey Company, Saratoga Springs, N. Y.
Johnson & Johnson, New Brunswick, N. J.
Dr. Kilmer & Co., Binghamton, N. Y.
J. Ellwood Lee Company, Conshohocken, Pa.
Paris Medicine Company, St. Louis, Mo.
Seabury & Johnson, New York.
Frederick Stearns & Co., Detroit, Mich.

850—DRILLING MACHINES FOR METALS.

Baird Machinery Company, Pittsburg, Pa.
W. F. & John Barnes Company, Rockford, Ill.
H. G. Barr, Worcester, Mass.
Baush Machine Tool Company, Springfield, Mass.
Betts Machine Company, Wilmington, Del.
Bickford Drill and Tool Company, Cincinnati, Ohio.
P. Blaisdell & Co., Worcester, Mass.
Buffalo Forge Company, Buffalo, N. Y.
Bullard Machine Tool Company, Bridgeport, Conn.
Jas. Clark, Jr., & Co., Louisville, Ky.
Thos. H. Dallett Company, Philadelphia, Pa.
The W. P. Davis Machine Company, Rochester, N. Y.
Detrick & Harvey Machine Company, Baltimore, Md.
The Garvin Machine Company, New York.
Gisholt Machine Company, Madison, Wis.
Goodell-Pratt Company, Greenfield, Mass.
Edwin Harrington, Son & Co., Inc., Philadelphia, Pa.
C. E. Jennings & Co., New York.
Lodge & Shipley Machine Tool Company, Cincinnati, Ohio.
Manning, Maxwell & Moore, New York.
New Haven Manufacturing Company, New Haven, Conn.
Niles-Bement-Pond Company, New York.
Potter & Johnston Machine Company, Pawtucket, R. I.
Prentice Brothers Company, Worcester, Mass.
F. E. Reed Company, Worcester, Mass.
William Sellers & Co., Inc., Philadelphia, Pa.
F. B. Shuster Company, New Haven, Conn.
Stow Manufacturing Company, Binghamton, N. Y.
H. B. Underwood & Co., Philadelphia, Pa.
The Warner & Swasey Company, Cleveland, Ohio.
Wells Bros. Company, Greenfield, Mass.
Whitney Manufacturing Company, Hartford, Conn.

851—DRILLS, ARTESIAN WELL.

American Diamond Rock Drill Company, New York.
Baker Iron Works, Los Angeles, Cal.
Flint & Walling Manufacturing Company, Kendallville, Ind.
Fulton Engine Works, Los Angeles, Cal.
Ingersoll-Sergeant Drill Company, New York.

851—DRILLS, ARTESIAN WELL—Continued.

Keystone Driller Company, Beaver Falls, Pa.
Leidecker Tool Company, Marietta, Ohio.
Oil Well Supply Company, Pittsburg, Pa.
Rand Drill Company, New York.
Star Drilling Machine Company, Akron, Ohio.
United States Engine Company, Parkersburg, W. Va.

852—DRILLS, AUTOMATIC HAND.

Jas. Clark, Jr., & Co., Louisville, Ky.
Thos. H. Dallett Company, Philadelphia, Pa.
John S. Fray & Co., Bridgeport, Conn.
Goodell-Pratt Company, Greenfield, Mass.
C. E. Jennings & Co., New York.
Manning, Maxwell & Moore, New York.
North Brothers Manufacturing Company, Philadelphia, Pa.
Silver Manufacturing Company, Salem, Ohio.

853—DRILLS, BLACKSMITHS'.

Buffalo Forge Company, Buffalo, N. Y.
The Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Thos. H. Dallett Company, Philadelphia, Pa.
The W. P. Davis Machine Company, Rochester, N. Y.
Goodell-Pratt Company, Greenfield, Mass.
Manning, Maxwell & Moore, New York.
Niles-Bement-Pond Company, New York.
Silver Manufacturing Company, Salem, Ohio.
Solid Steel Tool and Forge Company, Pittsburg, Pa.
Stow Manufacturing Company, Binghamton, N. Y.
The Warner & Swasey Company, Cleveland, Ohio.
Wells Bros. Company, Greenfield, Mass.

854—DRILLS, DIAMOND.

American Diamond Rock Drill Company, New York.
Sullivan Machinery Company, Chicago, Ill.

855—DRILLS, GRAIN.

American Seeding Machine Company, Springfield, Ohio.
Bateman Manufacturing Company, Grenloch, N. J.
David Bradley Manufacturing Company, Bradley, Ill.
Deere & Mansur Company, Moline, Ill.
H. P. Deuscher Company, Hamilton, Ohio.
A. B. Farquhar & Co., New York.
Gale Manufacturing Company, Albion, Mich.
Geiser Manufacturing Company, Waynesboro, Pa.
Hench, Dromgold & Co., York, Pa.
International Harvester Company of America, Chicago, Ill.
Roderick Lean Manufacturing Company, Mansfield, Ohio.
Moline Plow Company, Moline, Ill.
Monitor Drill Company, St. Louis Park, Minn.
Rock Island Plow Company, Rock Island, Ill.

856—DRILLS, RATCHET.

Baush Machine Tool Company, Springfield, Mass.
Billings & Spencer Company, Hartford, Conn.
Thos. H. Dallett Company, Philadelphia, Pa.
Goodell-Pratt Company, Greenfield, Mass.
Niles-Bement-Pond Company, New York.

857—DRILLS, ROCK.

American Diamond Rock Drill Company, New York.
Crucible Steel Company of America, Pittsburg, Pa.
The Denver Engineering Works Company, Denver, Col.
The Hendrie & Bolthoff Mfg. and Supply Company, Denver, Col.
Ingersoll-Sergeant Drill Company, New York.
Jeffrey Manufacturing Company, Columbus, Ohio.
Keystone Driller Company, Beaver Falls, Pa.
Leidecker Tool Company, Marietta, Ohio.
The J. Geo. Leyner Engineering Works Company, Denver, Col.
Morgan-Gardner Electric Company, Chicago, Ill.
National Iron Company, West Duluth, Minn.
Northern Electrical Manufacturing Company, Madison, Wis.
Rand Drill Company, New York.
Star Drilling Machine Company, Akron, Ohio.
Sullivan Machinery Company, Chicago, Ill.
George D. Whitcomb Company, Chicago, Ill.

858—DRILLS, TRACK.

Thos. H. Dallett Company, Philadelphia, Pa.
The Evansville Tool Works, Evansville, Ind.
Manning, Maxwell & Moore, New York.
Solid Steel Tool and Forge Company, Pittsburg, Pa.
Stow Manufacturing Company, Binghamton, N. Y.
Union Drop Forge Company, Chicago, Ill.
Verona Tool Works, Pittsburg, Pa.

859—DRILLS, TWIST.

Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Cleveland Twist Drill Company, Cleveland, Ohio.
Goodell-Pratt Company, Greenfield, Mass.
Morse Twist Drill and Machine Company, New Bedford, Mass.
Standard Tool Company, Cleveland, Ohio.

860—DRUGGISTS' SUNDRIES, GLASS.

Charles Boldt Glass Company, Cincinnati, Ohio.
Corning Glass Works, Corning, N. Y.
C. Dorflinger & Sons, New York.
The Fairmount Glass Works, Fairmount, Ind.
C. L. Flaccus Glass Company, Pittsburg, Pa.
Hazel-Atlas Glass Company, Wheeling, W. Va.
Illinois Glass Company, Alton, Ill.
The Lippincott Glass Company, Alexandria, Ind.
Poughkeepsie Glass Works, Poughkeepsie, N. Y.
Swindell Brothers, Baltimore, Md.
The Uniontown Flint Glass Company, Uniontown, Pa.
United States Glass Company, Pittsburg, Pa.
Whitall-Tatum Company, New York.

861—DRUGGISTS' SUNDRIES, HARD RUBBER.

American Hard Rubber Company, New York.
Consolidated Dental Manufacturing Company, New York.
Davidson Rubber Company, Boston, Mass.
Davol Rubber Company, Providence, R. I.
Diamond Rubber Company, Akron, Ohio.
B. F. Goodrich Company, Akron, Ohio.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Hodgman Rubber Company, New York.
Morgan & Wright, Chicago, Ill.
Tyer Rubber Company, Andover, Mass.
S. S. White Dental Manufacturing Company, Philadelphia, Pa.

862—DRUGS.

(See Chemicals, also Pharmaceutical Preparations.)

863—DRY PLATES, PHOTOGRAPHIC.

Eastman Kodak Company, Rochester, N. Y.

864—DRY ROOMS, STEAM.

American Blower Company, Detroit, Mich.
C. O. Bartlett & Snow Company, Cleveland, Ohio.
Buffalo Forge Company, Buffalo, N. Y.
H. W. Butterworth & Sons Company, Philadelphia, Pa.
E. J. Codd Company, Baltimore, Md.
Cyrus Currier & Sons, Newark, N. J.
Hersey Manufacturing Company, South Boston, Mass.
L. O. Koven & Brother, New York.
Nordyke & Marmon Company, Indianapolis, Ind.
Smith & Anthony Company, Boston, Mass.
The Standard Dry Kiln Company, Indianapolis, Ind.
B. F. Sturtevant Company, Hyde Park, Mass.
Toledo Cooker Company, Toledo, Ohio.
Vulcan Iron Works, Wilkes-Barre, Pa.

865—DRYERS, AIR.

Smith & Anthony Company, Boston, Mass.

866—DRYERS, BRICK AND LUMBER.

American Blower Company, Detroit, Mich.
The A. H. Andrews Company, Chicago, Ill.
C. O. Bartlett & Snow Company, Cleveland, Ohio.
Bonnot Company, Canton, Ohio.
Buffalo Forge Company, Buffalo, N. Y.
E. J. Codd Company, Baltimore, Md.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
The Milner & Kettig Company, Birmingham, Ala.
The C. W. Raymond Company, Dayton, Ohio.
The Reeves Brothers Company, Alliance, Ohio.
The Standard Dry Kiln Company, Indianapolis, Ind.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.
B. F. Sturtevant Company, Hyde Park, Mass.

867—DRYERS, CHAR.

Broomell, Schmidt & Steacy Company, York, Pa.

868—DRYERS, CLOTHES.

Toledo Cooker Company, Toledo, Ohio.

869—DRYERS, FERTILIZER.

John B. Adt, Baltimore, Md.
Brecht B. S. Co., St. Louis, Mo.
Hersey Manufacturing Company, South Boston, Mass.

870—DRYERS, INK.

The Ault & Wiborg Company, Cincinnati, Ohio.

871—DRYERS, PAINT AND VARNISH.

Acme White Lead and Color Works, Detroit, Mich.
Bridgeport Wood Finishing Company, New Milford, Conn.
Forest City Paint and Varnish Company, Cleveland, Ohio.
Hildreth Varnish Company, New York.
John Lucas & Co., Philadelphia, Pa.
Moller & Schumann Company, Brooklyn, N. Y.

871—DRYERS, PAINT AND VARNISH—Continued.

Murphy Varnish Company, Newark, N. J.
Eugene E. Nice, Philadelphia, Pa.
O'Brien Varnish Company, South Bend, Ind.
Peaslee-Gaulbert Company, Louisville, Ky.
Standard Varnish Works, New York.

872—DRYERS, PAPER.

Smith & Anthony Company, Boston, Mass.

873—DRYERS, SAND.

Hersey Manufacturing Company, South Boston, Mass.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
J. W. Paxson Company, Philadelphia, Pa.
The Reeves Brothers Company, Alliance, Ohio.
Ross Meehan Foundry Company, Chattanooga, Tenn.

874—DRYERS, TOBACCO.

John B. Adt, Baltimore, Md.

875—DRYING APPARATUS, STEAM.

American Blower Company, Detroit, Mich.
H. Belfield & Co., Philadelphia, Pa.
The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
Fairbanks Company, New York.
The Gardner Governor Company, Quincy, Ill.
Harrison Safety Boiler Works, Philadelphia, Pa.
E. F. Houghton & Co., Philadelphia, Pa.
Ironton Engine Company, Ironton, Ohio.
Kelly & Jones Company, New York.
John E. Lonergan & Co., Philadelphia, Pa.
Lunkenheimer Company, Cincinnati, Ohio.
The Platt Iron Works Company, Dayton, Ohio.
Remington Machine Company, Wilmington, Del.
T. Shriver & Co., New York.
B. F. Sturtevant Company, Hyde Park, Mass.
Walworth Manufacturing Company, Boston, Mass.
Warren Webster & Co., Camden, N. J.
George D. Whitcomb Company, Chicago, Ill.
Whitlock Coil Pipe Company, Hartford, Conn.

876—DUMBWAITERS.

Cahill & Hall Elevator Company, San Francisco, Cal.
John H. Graham & Co., New York.

877—DUMPS, CAR AND CART.

Brown Hoisting Machinery Company, Cleveland, Ohio.
Nordyke & Marmon Company, Indianapolis, Ind.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
Springfield Bridge and Iron Company, Springfield, Ill.
Sullivan Machinery Company, Chicago, Ill.

878—DUPLICATING APPARATUS.

A. B. Dick Company, Chicago, Ill.

879—DUST COLLECTORS.

Huntley Manufacturing Company, Silver Creek, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.
Richmond City Mill Works, Richmond, Ind.
Sprout, Waldron & Co., Muncy, Pa.

880—DUSTERS, BRAN.

Huntley Manufacturing Company, Silver Creek, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.
Richmond City Mill Works, Richmond, Ind.
Sprout, Waldron & Co., Muncy, Pa.

881—DUSTERS, FEATHER.

P. R. Mitchell Company, Cincinnati, Ohio.

882—DYEING MATERIALS.

American Dyewood Company, Philadelphia, Pa.
F. E. Atteaux & Co., Boston, Mass.
Barrett Manufacturing Company, New York.
The Bull's Ferry Chemical Company, Shadyside, N. J.
Cochrane Chemical Company, Boston, Mass.
Franklin H. Kalbfleisch Company, New York.
Charles Lennig & Co., Inc., Philadelphia, Pa.
Herman A. Metz, New York.
Rosengarten & Sons, Inc., Philadelphia, Pa.
Schoellkopf, Hartford & Hanna Company, Buffalo, N. Y.
The Selling Company, New York.

883—DYERS AND FINISHERS.

The Aspinook Company, Jewett City, Conn.
Joseph Bancroft & Sons Company, Wilmington, Del.
Cheney Brothers, Inc., South Manchester, Conn.
Firth & Foster Company, Philadelphia, Pa.
Meyer & Goetze, New York.
Millville Manufacturing Company, Philadelphia, Pa.
The New York Mills, Oneida County, N. Y.
Standard Bleachery Company, Carlton Hill, N. J.
United States Finishing Company, New York.

884—DYERS AND FINISHERS OF YARNS.

Firth & Foster Company, Philadelphia, Pa.

885—DYERS AND SCOURERS OF YARNS.

River Spinning Company, Woonsocket, R. I.

886—DYNAMITE.

(See Explosives.)

887—DYNAMOS.

Allis-Chalmers Company, Chicago, Ill.
American Electric Telephone Company, Chicago, Ill.
American Engine Company, Bound Brook, N. J.
The E. G. Bernard Company, Troy, N. Y.
Jas. Clark, Jr., & Co., Louisville, Ky.
The Commercial Electric Company, Indianapolis, Ind.
Electrical Manufacturers' Export Company, New York.
Fairbanks, Morse & Co., Chicago, Ill.
Fort Wayne Electric Works, Inc., Fort Wayne, Ind.
General Electric Company, Schenectady, N. Y.
Hanson & Van Winkle Company, Newark, N. J.
Holtzer-Cabot Electric Company, Brookline, Mass.
Jeffrey Manufacturing Company, Columbus, Ohio.
The "Long-Arm" System Company, Cleveland, Ohio.
August Mietz, New York.
Morgan-Gardner Electric Company, Chicago, Ill.
National Electric Company, Milwaukee, Wis.

to manufacturers whose names are given in this book.

887—DYNAMOS—Continued.

Northern Electrical Manufacturing Company, Madison, Wis.
Stow Manufacturing Company, Binghamton, N. Y.
B. F. Sturtevant Company, Hyde Park, Mass.
The Sumter Telephone Manufacturing Company, Sumter, S. C.
Triumph Electric Company, Cincinnati, Ohio.
Westinghouse Electric and Manufacturing Company, Pittsburg, Pa.

888—EARTHENWARE.

Cook Pottery Company, Trenton, N. J.
The Great Western Pottery Company, Kokomo, Ind.
Thomas Maddock's Sons Company, Trenton, N. J.
The Roseville Pottery Company, Zanesville, Ohio.
Trenton Potteries Company, Trenton, N. J.
The Wheeling Potteries Company, Wheeling, W. Va.

889—EARTHENWARE, DRUGGISTS'.

Bellmark Pottery Company, Trenton, N. J.
Pass & Seymour, Inc., Solvay, N. Y.
Trenton Potteries Company, Trenton, N. J.

890—EARTHENWARE, SANITARY.

Bellmark Pottery Company, Trenton, N. J.
Gladding, McBean & Co., San Francisco, Cal.
The Great Western Pottery Company, Kokomo, Ind.
Haines, Jones & Cadbury Company, Philadelphia, Pa.
Thomas Maddock's Sons Company, Trenton, N. J.
J. L. Mott Iron Works, New York.
Penn-American Plate Glass Company, Pittsburg, Pa.
Trenton Potteries Company, Trenton, N. J.
The Wheeling Potteries Company, Wheeling, W. Va.

891—EASELS.

Ferguson Bros. Manufacturing Company, Hoboken, N. J.
Kilbourne Manufacturing Company, Troy, N. Y.
National Novelty Corporation, New York.
Oilver Bros. Company, Lockport, N. Y.
Sheldon Novelty Company, Kankakee, Ill.

892—EAVES TROUGHS, METAL.

The American Rolling Mill Company, Middletown, Ohio.
American Sheet and Tin Plate Company, Pittsburg, Pa.
Berger Manufacturing Company, Canton, Ohio.
Klauer Manufacturing Company, Dubuque, Iowa.
Lamb & Ritchie, Cambridgeport, Mass.
David Lupton's Sons Company, Philadelphia, Pa.
The Vermont Slate Company, Inc., Granville, N. Y.

893—EAVES TROUGHS AND CONDUCTORS, WOOD.

The A. T. Stearns Lumber Company, Boston, Mass.

894—ECONOMIZERS, FUEL.

Broomell, Schmidt & Steacy Company, York, Pa.
B. F. Sturtevant Company, Hyde Park, Mass.

895—ELASTIC FABRICS.

The American Mills Company, Waterbury, Conn.
The C. A. Edgarton Manufacturing Company, Shirley, Mass.
George Frost Company, Boston, Mass.
The Ohio Suspender Company, Mansfield, Ohio.
Pioneer Suspender Company, Philadelphia, Pa.

896—ELBOWS, PIPE.

(See Fittings, Steam, Gas and Water.)

897—ELECTRIC LIGHTING COMPANIES.

New Orleans Railway Company, New Orleans, La.
Seattle Electric Company, Seattle, Wash.
Utah Light and Railway Company, Salt Lake City, Utah.
The Washington Water Power Company, Spokane, Wash.

898—ELECTRIC POWER COMPANIES.

New Orleans Railway Company, New Orleans, La.
The Niagara Falls Power Company, Niagara Falls, N. Y.
Seattle Electric Company, Seattle, Wash.
Utah Light and Railway Company, Salt Lake City, Utah.
The Washington Water Power Company, Spokane, Wash.

899—ELECTRICAL MEASURING INSTRUMENTS.

Duncan Electric Manufacturing Company, Lafayette, Ind.
Fort Wayne Electric Works, Inc., Fort Wayne, Ind.
General Electric Company, Schenectady, N. Y.
Stanley Instrument Company, Great Barrington, Mass.
Westinghouse Electric and Manufacturing Company, Pittsburg, Pa.
Weston Electrical Instrument Company, Waverly Park, Newark, N. J

900—ELECTRICAL SUPPLIES.

Allis-Chalmers Company, Chicago, Ill.
American Hard Rubber Company, New York.
Albert & J. M. Anderson Manufacturing Company, Boston, Mass.
Ansonia Brass and Copper Company, New York.
Auburn Button Works, Auburn, N. Y.
The E. G. Bernard Company, Troy, N. Y.
Frank S. Betz Company, Chicago, Ill.
Bossert Electric Construction Company, Utica, N. Y.
Bridgeport Brass Company, Bridgeport, Conn.
Brylgon Steel Casting Company, Reading, Pa.
Central Manufacturing Company, Chattanooga, Tenn.
Chase-Shawmut Company, Newburyport, Mass.
Jas. Clark, Jr., & Co., Louisville, Ky.
Cochrane Chemical Company, Boston, Mass.
Corning Glass Works, Corning, N. Y.
Crouse-Hinds Company, Syracuse, N. Y.
Cutler-Hammer Manufacturing Company, Philadelphia, Pa.
Cutter Electrical and Manufacturing Company, Philadelphia, Pa.
Dayton Manufacturing Company, Dayton, Ohio.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Diamond Rubber Company, Akron, Ohio.
The Dickey-Sutton Carbon Company, Lancaster, Ohio.
Doubleday-Hill Electric Company, Pittsburg, Pa.
Dunham, Carrigan & Hayden Company, San Francisco, Cal.
Edison Phonograph Works, Orange, N. J.
Electrical Manufacturers' Export Company, New York.
Fort Wayne Electric Works, Inc., Fort Wayne, Ind.
General Electric Company, Schenectady, N. Y.
B. F. Goodrich Company, Akron, Ohio.
Gordon Battery Company, New York.
The Hart Manufacturing Company, Hartford, Conn.
Hazard Manufacturing Company, Wilkes-Barre, Pa.
The Hemingray Glass Company, Covington, Ky.
Holtzer-Cabot Electric Company, Brookline, Mass.
The Hylo Lamp Company, Detroit, Mich.

900—ELECTRICAL SUPPLIES—Continued.

Johns-Pratt Company, Hartford, Conn.
The Jones Electrical Company, New York.
Franklin H. Kalbfleisch Company, New York.
Kellogg Switchboard and Supply Company, Chicago, Ill.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Michigan Bolt and Nut Works, Detroit, Mich.
Monarch Electric and Wire Company, Chicago, Ill.
Monarch Telephone Manufacturing Company, Chicago, Ill.
Alfred F. Moore, Philadelphia, Pa.
National Carbon Company, Cleveland, Ohio.
The North Electric Company, Cleveland, Ohio.
Northern Electrical Manufacturing Company, Madison, Wis.
The Ohio Brass Company, Mansfield, Ohio.
The Paraffine Paint Company, San Francisco, Cal.
Pass & Seymour, Inc., Solvay, N. Y.
Peru Electric Manufacturing Company, Peru, Ind.
Pettingell-Andrews Company, Boston, Mass.
Phillips Insulated Wire Company, Pawtucket, R. I.
The Pittsburgh Reduction Company, Pittsburg, Pa.
H. K. Porter, Everett, Mass.
Shelby Electric Company, Shelby, Ohio.
John Simmons Company, New York.
The Simplex Electrical Company, Boston, Mass.
The Standard Paint Company, New York.
Standard Underground Cable Company, Pittsburg, Pa.
Standard Varnish Works, New York.
Stanley & Patterson, Inc., New York.
The Star Brass Works, Kalamazoo, Mich.
D. M. Steward Manufacturing Company, Chattanooga, Tenn.
Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y.
The Sumter Telephone Manufacturing Company, Sumter, S. C.
Tea Tray Company of Newark, Newark, N. J.
Triumph Electric Company, Cincinnati, Ohio.
H. F. Watson Company, Erie, Pa.
Wendell & MacDuffie, New York.
Westinghouse Electric and Manufacturing Company, Pittsburg, Pa.

901—ELECTRO-MEDICAL APPARATUS.

W. D. Allison Company, Indianapolis, Ind.
James Barker, Philadelphia, Pa.
Frank S. Betz Company, Chicago, Ill.
A. H. Peirce Manufacturing Company, Chicago, Ill.
Stanley & Patterson, Inc., New York.

902—ELECTROPLATING.

B. Conlan & Co., Newark, N. J.
Johnson Service Company, Milwaukee, Wis.
Simeon L. & George H. Rogers Company, Hartford, Conn.
William Vogel & Brothers, Brooklyn, N. Y.

903—ELECTROPLATING SUPPLIES.

Hanson & Van Winkle Company, Newark, N. J.
Holtzer-Cabot Electric Company, Brookline, Mass.
Franklin H. Kalbfleisch Company, New York.
Merchant & Co., Inc., Philadelphia, Pa.
National Carbon Company, Cleveland, Ohio.
Triumph Electric Company, Cincinnati, Ohio.

904—ELEVATOR ENCLOSURES.

Cheney Bigelow Wire Works, Springfield, Mass.
W. J. Clark Company, Salem, Ohio.
Gilbert & Bennett Manufacturing Company, Georgetown, Conn.
Grand Rapids Brass Company, Grand Rapids, Mich.
Howard & Morse, New York.
James McKinney & Son, Albany, N. Y.
Merritt & Co., Inc., Philadelphia, Pa.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
The Standard Company, Chicago, Ill.
Taylor & Dean, Pittsburg, Pa.
W. S. Tyler Company, Cleveland, Ohio.
The Van Dorn Iron Works Company, Cleveland, Ohio.

905—ELEVATORS, COTTON.

Continental Gin Company, Inc., Birmingham, Ala.
Thomas Fordyce Manufacturing Company, Little Rock, Ark.
Gullett Gin Company, Amite, La.
B. F. Sturtevant Company, Hyde Park, Mass.

906—ELEVATORS, FREIGHT.

John B. Adt, Baltimore, Md.
Bartlett, Hayward & Co., Baltimore, Md.
C. O. Bartlett & Snow Company, Cleveland, Ohio.
Buhl Malleable Company, Detroit, Mich.
Cahill & Hall Elevator Company, San Francisco, Cal.
Cardwell Machine Company, Richmond, Va.
Chain Belt Company, Milwaukee, Wis.
Climax Road Machine Company, Marathon, N. Y.
Curtis & Co. Manufacturing Company, St. Louis, Mo.
The Flynn & Emrich Company, Baltimore, Md.
Fulton Engine Works, Los Angeles, Cal.
Heyl & Patterson, Pittsburg, Pa.
Howard Iron Works, Buffalo, N. Y.
Kaestner & Co., Inc., Chicago, Ill.
Lane & Bodley Company, Cincinnati, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
Marseilles Manufacturing Company, Marseilles, Ill.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
The Meisel Manufacturing Company, Port Huron, Mich.
Moline Elevator Company, Moline, Ill.
Nordyke & Marmon Company, Indianapolis, Ind.
Northern Engineering Works, Detroit, Mich.
Otis Elevator Company, New York.
The Portland Company, Portland, Me.
A. B. See Electric Elevator Company, New York.
Stokes & Parrish Elevator Company, Philadelphia, Pa.
Triumph Electric Company, Cincinnati, Ohio.
The Vulcan Iron Works, Seattle, Wash.
Whiting Foundry Equipment Company, Harvey, Ill.
The Wolf Company, Chambersburg, Pa.
R. D. Wood & Co., Philadelphia, Pa.

907—ELEVATORS, GRAIN.

Barnard & Leas Manufacturing Company, Moline, Ill.
Buffalo Forge Company, Buffalo, N. Y.
Huntley Manufacturing Company, Silver Creek, N. Y.
King & Hamilton Company, Ottawa, Ill.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.

907—ELEVATORS, GRAIN—Continued.

Link-Belt Machinery Company, Chicago, Ill.
Marseilles Manufacturing Company, Marseilles, Ill.
The Meisel Manufacturing Company, Port Huron, Mich.
Nordyke & Marmon Company, Indianapolis, Ind.
Richmond City Mill Works, Richmond, Ind.
Silver Manufacturing Company, Salem, Ohio.
Sprout, Waldron & Co., Muncy, Pa.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
Union Iron Works, Decatur, Ill.
The Wolf Company, Chambersburg, Pa.

908—ELEVATORS, LINK BELT.

C. O. Bartlett & Snow Company, Cleveland, Ohio.
Bonnot Company, Canton, Ohio.
Buhl Malleable Company, Detroit, Mich.
Chain Belt Company, Milwaukee, Wis.
Jeffrey Manufacturing Company, Columbus, Ohio.
Kaestner & Co., Inc., Chicago, Ill.
Lane & Bodley Company, Cincinnati, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
Nordyke & Marmon Company, Indianapolis, Ind.
Stephens-Adamson Manufacturing Company, Aurora, Ill.

909—ELEVATORS, PASSENGER.

Bartlett, Hayward & Co., Baltimore, Md.
Cahill & Hall Elevator Company, San Francisco, Cal.
Curtis & Co. Manufacturing Company, St. Louis, Mo.
Fulton Engine Works, Los Angeles, Cal.
Howard Iron Works, Buffalo, N. Y.
Kaestner & Co., Inc., Chicago, Ill.
Moline Elevator Company, Moline, Ill.
Otis Elevator Company, New York.
The Portland Company, Portland, Me.
A. B. See Electric Elevator Company, New York.
Stokes & Parrish Elevator Company, Philadelphia, Pa.
Triumph Electric Company, Cincinnati, Ohio.
R. D. Wood & Co., Philadelphia, Pa.

910—ELEVATORS, WATER.

Bishop and Babcock Company, Cleveland, Ohio.
Chain Belt Company, Milwaukee, Wis.
Jeffrey Manufacturing Company, Columbus, Ohio.

911—ELIXIRS.

The G. F. Harvey Company, Saratoga Springs, N. Y.
Eli Lilly & Co., Indianapolis, Ind.
Parke, Davis & Co., Detroit, Mich.
Frederick Stearns & Co., Detroit, Mich.
Henry K. Wampole & Co., Philadelphia, Pa.
William R. Warner & Co., Philadelphia, Pa.
John Wyeth & Brother, Inc., Philadelphia, Pa.

912—EMBLEMS, RELIGIOUS.

Gorham Manufacturing Company, New York.

913—EMBROIDERIES.

Newark Embroidering Works, Newark, N. J.

914—EMERY.

Chicago Wheel and Manufacturing Company, Chicago, Ill.
Hanson & Van Winkle Company, Newark, N. J.
The Matchless Metal Polish Company, New York.
Norton Emery Wheel Company, Worcester, Mass.
Pike Manufacturing Company, Pike, N. H.

915—EMERY PAPER AND CLOTH.

American Glue Company, Boston, Mass.
Baeder, Adamson & Co., Philadelphia, Pa.
Hermann Behr & Co., New York.
John H. Graham & Co., New York.

916—EMERY WHEELS.

(See Wheels, Emery and Corundum.)

917—ENAMELS.

Acme White Lead and Color Works, Detroit, Mich.
Adams & Elting Company, Chicago, Ill.
Bass-Hueter Paint Company, San Francisco, Cal.
Enterprise Paint Manufacturing Company, Chicago, Ill.
Felton, Sibley & Co., Philadelphia, Pa.
Forest City Paint and Varnish Company, Cleveland, Ohio.
Gerstendorfer Brothers, New York.
John Lucas & Co., Philadelphia, Pa.
R. McWilliams, Ltd., New Orleans, La.
Moller & Schumann Company, Brooklyn, N. Y.
Murphy Varnish Company, Newark, N. J.
Eugene E. Nice, Philadelphia, Pa.
O'Brien Varnish Company, South Bend, Ind.
Pecora Paint Company, Philadelphia, Pa.
Standard Varnish Works, New York.
Valentine & Co., New York.

918—ENGINES, AUTOMOBILE.

The Mason Regulator Company, Boston, Mass.

919—ENGINES, BARRING.

American Ship Windlass Company, Providence, R. I.
Detroit Shipbuilding Company, Detroit, Mich.

920—ENGINES, BLOWING.

Allis-Chalmers Company, Chicago, Ill.
American Blower Company, Detroit, Mich.
Birmingham Machine and Foundry Company, Birmingham, Ala.
Buffalo Forge Company, Buffalo, N. Y.
The Connersville Blower Company, Connersville, Ind.
Howard & Morse, New York.
Lane & Bodley Company, Cincinnati, Ohio.
McClave Brooks Company, Scranton, Pa.
Macbeth Iron Company, Cleveland, Ohio.
Manning, Maxwell & Moore, New York.
Power Specialty Company, Detroit, Mich.
Robinson Machine Company, Monongahela, Pa.
Southwark Foundry and Machine Company, Philadelphia, Pa.
B. F. Sturtevant Company, Hyde Park, Mass.
The William Tod Company, Youngstown, Ohio.
L. J. Wing Manufacturing Company, New York.

921—ENGINES, CHEMICAL.

The Seagrave Company, Columbus, Ohio.

922—ENGINES, "CORLISS TYPE."

Allis-Chalmers Company, Chicago, Ill.
Atlas Engine Works, Indianapolis, Ind.
A. F. Bartlett & Co., Saginaw, Mich.
The Bass Foundry and Machine Company, Fort Wayne, Ind.
Bates Machine Company, Joliet, Ill.
Birmingham Machine and Foundry Company, Birmingham, Ala.
Brown Corliss Engine Company, Corliss, Wis.
The C. & G. Cooper Company, Mount Vernon, Ohio.
William Cramp and Sons' Ship and Engine Building Co., Philadelphia, Pa.
Filer & Stowell Company, Milwaukee, Wis.
Frick Company, Waynesboro, Pa.
Giddings & Lewis Manufacturing Company, Fond du Lac, Wis.
The I. & E. Greenwald Company, Cincinnati, Ohio.
The Griffith & Wedge Company, Zanesville, Ohio.
Hardie-Tynes Manufacturing Company, Birmingham, Ala.
Heilman Machine Works, Evansville, Ind.
Ironton Engine Company, Ironton, Ohio.
Lane & Bodley Company, Cincinnati, Ohio.
Mesta Machine Company, Pittsburg, Pa.
Minneapolis Steel and Machinery Company, Minneapolis, Minn.
National Iron Company, West Duluth, Minn.
Quintard Iron Works Company, New York.
Southwark Foundry and Machine Company, Philadelphia, Pa.
H. N. Strait Manufacturing Company, Kansas City, Kan.
Sullivan Machinery Company, Chicago, Ill.
The William Tod Company, Youngstown, Ohio.
Vulcan Iron Works, Wilkes-Barre, Pa.
Westinghouse Machine Company, Pittsburg, Pa.
York Manufacturing Company, York, Pa.

923—ENGINES, DENTAL.

Consolidated Dental Manufacturing Company, New York.
Holtzer-Cabot Electric Company, Brookline, Mass.
S. S. White Dental Manufacturing Company, Philadelphia, Pa.

924—ENGINES, DRILLING.

Baker Iron Works, Los Angeles, Cal.
Farrar & Trefts, Buffalo, N. Y.
The Frost Manufacturing Company, Galesburg, Ill.
Fulton Engine Works, Los Angeles, Cal.
Jeffrey Manufacturing Company, Columbus, Ohio.
Keystone Driller Company, Beaver Falls, Pa.
Leidecker Tool Company, Marietta, Ohio.
National Iron Company, West Duluth, Minn.
Oil Well Supply Company, Pittsburg, Pa.
Rand Drill Company, New York.
Sullivan Machinery Company, Chicago, Ill.
United States Engine Company, Parkersburg, W. Va.

925—ENGINES, FIRE.

Deming Company, Salem, Ohio.
Goulds Manufacturing Company, Seneca Falls, N. Y.

926—ENGINES, GAS AND GASOLINE.

Allis-Chalmers Company, Chicago, Ill.
Baker Manufacturing Company, Evansville, Wis.
Barnhart Brothers & Spindler, Chicago, Ill.
Bliss & Van Auken, Saginaw, Mich.
W. P. Callahan & Co., Dayton, Ohio.

926—ENGINES, GAS AND GASOLINE—Continued.

Capital Gas Engine Company, Indianapolis, Ind.
Chase Machine Company, Cleveland, Ohio.
The De La Vergne Machine Company, New York.
Eagle Bicycle Manufacturing Company, Torrington, Conn.
Fairbanks Company, New York.
Fairbanks, Morse & Co., Chicago, Ill.
Farrar & Trefts, Buffalo, N. Y.
Gas Engine and Power Co. and Charles L. Seabury & Co., New York.
Geiser Manufacturing Company, Waynesboro, Pa.
International Harvester Company of America, Chicago, Ill.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
August Mietz, New York.
National Meter Company, New York.
The Otto Gas Engine Works, Philadelphia, Pa.
The Pattin Bros. Company, Marietta, Ohio.
Perkins & Co., Grand Rapids, Mich.
The Puget Sound Iron and Steel Works, Tacoma, Wash.
Racine Boat Manufacturing Company, Muskegon, Mich.
James Rees & Sons Company, Pittsburg, Pa.
The Root & Van Dervoort Enginering Company, East Moline, Ill.
The J. W. Ruger Manufacturing Company, Buffalo, N. Y.
T. Shriver & Co., New York.
Stover Engine Works, Freeport, Ill.
J. Thompson & Sons Manufacturing Company, Beloit, Wis.
The Titusville Iron Company, Titusville, Pa.
The William Tod Company, Youngstown, Ohio.
Truscott Boat Manufacturing Company, St. Joseph, Mich.
Union Gas Engine Company, San Francisco, Cal.
United States Engine Company, Parkersburg, W. Va.
C. A. Warren & Co., San Francisco, Cal.
Waterloo Motor Works, Waterloo, Iowa.
Westinghouse Machine Company, East Pittsburg, Pa.
L. J. Wing Manufacturing Company, New York.
R. D. Wood & Co., Philadelphia, Pa.

927—ENGINES, HIGH SPEED.

Allis-Chalmers Company, Chicago, Ill.
American Engine Company, Bound Brook, N. J.
Atlas Engine Works, Indianapolis, Ind.
Chandler & Taylor Company, Indianapolis, Ind.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Erie City Iron Works, Erie, Pa.
William E. Hill & Co., Kalamazoo, Mich.
Ironton Engine Company, Ironton, Ohio.
James Leffel & Co., Springfield, Ohio.
McIntosh, Seymour & Co., Auburn, N. Y.
The New Britain Machine Company, New Britain, Conn.
Quintard Iron Works Company, New York.
Robinson Machine Company, Monongahela, Pa.
B. F. Sturtevant Company, Hyde Park, Mass.
The William Tod Company, Youngstown, Ohio.
Westinghouse Machine Company, East Pittsburg, Pa.
L. J. Wing Manufacturing Company, New York.

928—ENGINES, HOISTING.

John B. Adt, Baltimore, Md.
Allis-Chalmers Company, Chicago, Ill.
American Hoist and Derrick Company, St. Paul, Minn.

928—ENGINES, HOISTING—Continued.

American Ship Windlass Company, Providence, R. I.
Baird Machinery Company, Pittsburg, Pa.
A. F. Bartlett & Co., Saginaw, Mich.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Cahill & Hall Elevator Company, San Francisco, Cal.
Caird & Hawksworth, Helena, Mont.
Thomas Carlin's Sons Company, Allegheny, Pa.
Chase Machine Company, Cleveland, Ohio.
Climax Road Machine Company, Marathon, N. Y.
Contractors' Plant Manufacturing Company, Buffalo, N. Y.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa
Detroit Shipbuilding Company, Detroit, Mich.
Eagle Foundry and Machine Company, Allegheny, Pa.
Eagle Iron Works, Des Moines, Iowa.
Fairbanks, Morse & Co., Chicago, Ill.
Filer & Stowell Company, Milwaukee, Wis.
Fulton Engine Works, Los Angeles, Cal.
Great Lakes Engineering Works, Detroit, Mich.
The Griffith & Wedge Company, Zanesville, Ohio.
Hardie-Tynes Manufacturing Company, Birmingham, Ala.
Heilman Machine Works, Evansville, Ind.
The Hendrie & Bolthoff Manufacturing and Supply Co., Denver, Col.
Joshua Hendy Machine Works, San Francisco, Cal.
Humphrey & Sons, Joliet, Ill.
Lambert Hoisting Engine Company, Newark, N. J.
Lane & Bodley Company, Cincinnati, Ohio.
The J. Geo. Leyner Engineering Works Company, Denver, Col.
Lidgerwood Manufacturing Company, New York.
Marshutz & Cantrell, San Francisco, Cal.
Mesta Machine Company, Pittsburg, Pa.
National Iron Company, West Duluth, Minn.
Otis Elevator Company, New York.
The Otto Gas Engine Works, Philadelphia, Pa.
The Portland Company, Portland, Me.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Robinson Machine Company, Monongahela, Pa.
T. Shriver & Co., New York.
Sullivan Machinery Company, Chicago, Ill.
Union Iron Works, Spokane, Wash.
Vulcan Iron Works, Wilkes-Barre, Pa.
The Vulcan Iron Works, Seattle, Wash.
Washington Iron Works Company, Seattle, Wash.
Willamette Iron and Steel Works, Portland, Ore.

929—ENGINES, HOT AIR.

Remington Machine Company, Wilmington, Del.
Rider-Ericsson Engine Company, New York.

930—ENGINES, KEROSENE.

Atlas Engine Works, Indianapolis, Ind.
The De La Vergne Machine Company, New York.
Fairbanks, Morse & Co., Chicago, Ill.
Farrar & Trefts, Buffalo, N. Y.
August Mietz, New York.
Perkins & Co., Grand Rapids, Mich.
T. Shriver & Co., New York.
Union Gas Engine Company, San Francisco, Cal.

931—ENGINES, MARINE TYPE.

Atlantic Works, East Boston. Mass.
Chicago Ship Building Company, Chicago, Ill.
E. J. Codd Company, Baltimore, Md.
The J. D. Connell Iron Works, New Orleans, La.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Detroit Shipbuilding Company, Detroit, Mich.
Eagle Bicycle Manufacturing Company, Torrington, Conn.
Farrar & Trefts, Buffalo, N. Y.
Gas Engine and Power Co. and Charles L. Seabury & Co., New York.
Great Lakes Engineering Works, Detroit, Mich.
The Johnson Iron Works, Ltd., New Orleans, La.
King Iron Works, Buffalo, N. Y.
Midvale Steel Company, Philadelphia, Pa.
August Mietz, New York.
Moran Bros. Company, Seattle, Wash.
Morris Machine Works, Baldwinsville, N. Y.
New York Ship Building Company Camden, N. J.
The Otto Gas Engine Works, Philadelphia, Pa.
Perkins & Co., Grand Rapids, Mich.
The Portland Company, Portland, Me.
The Puget Sound Iron and Steel Works, Tacoma, Wash.
Pusey & Jones Company, Wilmington, Del.
Quintard Iron Works Company, New York.
Racine Boat Manufacturing Company, Muskegon, Mich.
James Rees & Sons Company, Pittsburg, Pa.
T. Shriver & Co., New York.
Robert Tarrant, Chicago, Ill.
John E. Thropp's Sons Co., Trenton, N. J.
Truscott Boat Manufacturing Company, St. Joseph, Mich.
Union Gas Engine Company. San Francisco, Cal.
The Vulcan Iron Works, Seattle, Wash.
Westinghouse Machine Company, East Pittsburg, Pa.
Willamette Iron and Steel Works, Portland, Ore.

932—ENGINES, NAPHTHA.

Farrar & Trefts, Buffalo, N. Y.
Gas Engine and Power Co. and Charles L. Seabury & Co., New York.
T. Shriver & Co., New York.

933—ENGINES, PLAIN SLIDE-VALVE, ROCKING VALVE, AUTOMATIC THROTTLING, ETC., SIMPLE OR COMPOUND.

Allis-Chalmers Company, Chicago, Ill.
American Blower Company, Detroit, Mich.
Atlas Engine Works, Indianapolis, Ind.
The Ball & Wood Company, New York.
A. F. Bartlett & Co., Saginaw, Mich.
Blymyer Iron Works, Cincinnati, Ohio.
Buckeye Engine Company, Salem, Ohio.
Buffalo Forge Company, Buffalo, N. Y.
The Brownell Company, Dayton, Ohio.
Thomas Carlin's Sons Company, Allegheny, Pa.
Chandler & Taylor Company, Indianapolis, Ind.
E. J. Codd Company, Baltimore, Md.
The J. D. Connell Iron Works, New Orleans, La.
Continental Gin Company, Inc., Birmingham, Ala.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Cyrus Currier & Sons, Newark, N. J.
The C. H. Dutton Company, Kalamazoo, Mich.

933—ENGINES, PLAIN SLIDE-VALVE, ETC.—Continued.

Erie City Iron Works, Erie, Pa.
A. B. Farquhar & Co., New York.
Filer & Stowell Company, Milwaukee, Wis.
The Flynn & Emrich Company, Baltimore, Md.
The Frost Manufacturing Company, Galesburg, Ill.
Fulton Engine Works, Los Angeles, Cal.
Giddings & Lewis Manufacturing Company, Fond du Lac, Wis.
Great Lakes Engineering Works, Detroit, Mich.
The I. & E. Greenwald Company, Cincinnati, Ohio.
The Griffith & Wedge Company, Zanesville, Ohio.
Hardie-Tynes Manufacturing Company, Birmingham, Ala.
Heilman Machine Works, Evansville, Ind.
Hench, Dromgold & Co., York, Pa.
Joshua Hendy Machine Works, San Francisco, Cal.
William E. Hill & Co., Kalamazoo, Mich.
The Houston, Stanwood & Gamble Company, Cincinnati, Ohio.
Howard & Morse, New York.
Ironton Engine Company, Ironton, Ohio.
Jackson & Church Company, Saginaw, Mich.
Lane & Bodley Company, Cincinnati, Ohio.
James Leffel & Co., Springfield, Ohio.
McIntosh, Seymour & Co., Auburn, N. Y.
Mackintosh, Hemphill & Co., Pittsburg, Pa.
Mesta Machine Company, Pittsburg, Pa.
Morris Machine Works, Baldwinsville, N. Y.
National Iron Company, West Duluth, Minn.
The Portland Company, Portland, Me.
Quintard Iron Works Company, New York.
James Rees & Sons Company, Pittsburg, Pa.
J. S. Schofield's Sons Company, Macon, Ga.
Sinker-Davis Company, Indianapolis, Ind.
Southwark Foundry and Machine Company, Philadelphia, Pa.
B. F. Sturtevant Company, Hyde Park, Mass.
The Titusville Iron Company, Titusville, Pa.
The William Tod Company, Youngstown, Ohio.
Union Iron Works, Spokane, Wash.
United States Engine Company, Parkersburg, W. Va.
The Vulcan Iron Works, Seattle, Wash.
Washington Iron Works Company, Seattle, Wash.
Wheland Machine Works, Chattanooga, Tenn.
Wickes Brothers, Saginaw, Mich.
York Manufacturing Company, York, Pa.

934—ENGINES, PLOWING.

J. I. Case Threshing Machine Company, Racine, Wis.
Geiser Manufacturing Company, Waynesboro, Pa.
Port Huron Engine and Thresher Company, Port Huron, Mich.

935—ENGINES, PORTABLE.

Advance Thresher Company, Battle Creek, Mich.
American Hoist and Derrick Company, St. Paul, Minn.
Atlas Engine Works, Indianapolis, Ind.
Aultman Company, Canton, Ohio.
Aultman & Taylor Machinery Company, Mansfield, Ohio.
Blymyer Iron Works Company, Cincinnati, Ohio.
David Bradley Manufacturing Company, Bradley, Ill.
Buffalo Pitts Company, Buffalo, N. Y.
Thomas Carlin's Sons Company, Allegheny, Pa.

935—ENGINES, PORTABLE—Continued.

J. I. Case Threshing Machine Company, Racine, Wis.
Chandler & Taylor Company, Indianapolis, Ind.
Climax Road Machine Company, Marathon, N. Y.
Erie City Iron Works, Erie, Pa.
A. B. Farquhar & Co., New York.
Farrar & Trefts, Buffalo, N. Y.
Frick Company, Waynesboro, Pa.
Fulton Engine Works, Los Angeles, Cal.
Gaar, Scott & Co., Richmond, Ind.
Geiser Manufacturing Company, Waynesboro, Pa.
Heilman Machine Works, Evansville, Ind.
Hench, Dromgold & Co., York, Pa.
Huber Manufacturing Company, Marion, Ohio.
International Harvester Company of America, Chicago, Ill.
Jackson & Church Company, Saginaw, Mich.
Keystone Driller Company, Beaver Falls, Pa.
Leidecker Tool Company, Marietta, Ohio.
Lidgerwood Manufacturing Company, New York.
August Mietz, New York.
National Iron Company, West Duluth, Minn.
The Otto Gas Engine Works, Philadelphia, Pa.
Port Huron Engine and Thresher Company, Port Huron, Mich.
Quintard Iron Works Company, New York.
T. Shriver & Co., New York.
Silver Manufacturing Company, Salem, Ohio.
Sinker-Davis Company, Indianapolis, Ind.
Star Drilling Machine Company, Akron, Ohio.
Waterloo Motor Works, Waterloo, Iowa.

936—ENGINES, PUMPING.

(See also Pumps, Steam.)

August Mietz, New York.
The Otto Gas Engine Works, Philadelphia, Pa.
Remington Machine Company, Wilmington, Del.
Rider-Ericsson Engine Company, New York.
Waterloo Motor Works, Waterloo, Iowa.

937—ENGINES, RAILROAD.

(See Locomotives, Steam.)

938—ENGINES, TRACTION.

Advance Thresher Company, Battle Creek, Mich.
Aultman Company, Canton, Ohio.
Aultman & Taylor Machinery Company, Mansfield, Ohio.
Buffalo Pitts Company, Buffalo, N. Y.
J. I. Case Threshing Machine Company, Racine, Wis.
A. B. Farquhar & Co., New York.
Frick Company, Waynesboro, Pa.
Gaar, Scott & Co., Richmond, Ind.
Geiser Manufacturing Company, Waynesboro, Pa.
Hardie-Tynes Manufacturing Company, Birmingham, Ala.
Heilman Machine Works, Evansville, Ind.
The Holt Manufacturing Company, Stockton, Cal.
Huber Manufacturing Company, Marion, Ohio.
O. S. Kelly Company, Springfield, Ohio.
Keystone Driller Company, Beaver Falls, Pa.
Marshutz & Cantrell, San Francisco, Cal.
The Otto Gas Engine Works, Philadelphia, Pa.

938—ENGINES, TRACTION—Continued.

Port Huron Engine and Thresher Company, Port Huron, Mich.
The Puget Sound Iron and Steel Works, Tacoma, Wash.
Reeves & Co., Columbus, Ind.
M. Rumely Company, La Porte, Ind.
The Vulcan Iron Works, Seattle, Wash.
Vulcan Iron Works, Wilkes-Barre, Pa.
Washington Iron Works Company, Seattle, Wash.
Willamette Iron and Steel Works, Portland, Ore.

939—ENGRAVERS, COPPER.

Binner-Wells Company, Chicago, Ill.
Brown & Bigelow, St. Paul, Minn.
Courier Journal Job Printing Company, Louisville, Ky.
R. R. Donnelley Sons Company, Chicago, Ill.
Eichbaum Company, Pittsburg, Pa.
Fay Engraving Company, Utica, N. Y.
Grand Rapids Engraving Company, Grand Rapids, Mich.
Hill Publishing Company, New York.
Franklin Hudson Publishing Company, Kansas City, Mo.
F. C. Nunemacher, Louisville, Ky.
Riverside Printing Company, Milwaukee, Wis.
Seemann, Peters & Heim, Saginaw, Mich.
Strobridge Lithographing Company, Cincinnati, Ohio.
Thornton-Levey Company, Indianapolis, Ind.

940—ENGRAVERS, HALF-TONE.

American Lithographic Company, New York.
American Type Founders' Company, Jersey City, N. J.
Binner-Wells Company, Chicago, Ill.
W. B. Conkey Company, Chicago, Ill.
R. R. Donnelley Sons Company, Chicago, Ill.
Evening Wisconsin Company, Printing Department, Milwaukee, Wis.
Fay Engraving Company, Utica, N. Y.
Grand Rapids Engraving Company, Grand Rapids, Mich.
Hill Publishing Company, New York.
Franklin Hudson Publishing Company, Kansas City, Mo.
The Republican Publishing Company, Hamilton, Ohio.
Riverside Printing Company, Milwaukee, Wis.
Seemann, Peters & Heim, Saginaw, Mich.
Strobridge Lithographing Company, Cincinnati, Ohio.
Thornton-Levey Company, Indianapolis, Ind.
The University Press, Cambridge, Mass.
William Vogel & Brothers, Brooklyn, N. Y.

941—ENGRAVERS, STEEL PLATE.

Brown & Bigelow, St. Paul, Minn.
Courier Journal Job Printing Company, Louisville, Ky.
Eichbaum Company, Pittsburg, Pa.
F. C. Nunemacher, Louisville, Ky.

942—ENGRAVERS, WOOD.

Seemann, Peters & Heim, Saginaw, Mich.

943—ENVELOPES.

American Tag Company, Chicago, Ill.
J. C. Blair Company, Huntingdon, Pa.
Commercial Envelope and Box Company, Binghamton, N. Y.
George H. Friend Paper and Tablet Company, West Carrollton, Ohio.
Raynor & Perkins Envelope Company, New York.

943—ENVELOPES—Continued.

Saugerties Manufacturing Company, Saugerties, N. Y.
The J. W. Sefton Manufacturing Company, Chicago, Ill.
The Thompson & Norris Company, Brooklyn, N. Y.
The Weis Manufacturing Company, Toledo, Ohio.
West Virginia Pulp and Paper Company, New York.
F. H. Whittelsey, Windsor Locks, Conn.

944—ENVELOPES, STAMPED.

The Hartford Manufacturing Company, Hartford, Conn.

945—ERASERS, RUBBER.

Davidson Rubber Company, Boston, Mass.
R. O. Evans & Co., Owensboro, Ky.
Eberhard Faber, New York.

946—ETCHING.

Fay Engraving Company, Utica, N. Y.
Seemann, Peters & Heim, Saginaw, Mich.

947—ETHER, SULPHURIC.

The Heyden Chemical Works, New York.
Rosengarten & Sons, Inc., Philadelphia, Pa.

948—EVAPORATORS, FRUIT.

Blymyer Iron Works Company, Cincinnati, Ohio.

949—EVAPORATORS, SUGAR.

Allis-Chalmers Company, Chicago, Ill.
Birmingham Machine and Foundry Company, Birmingham, Ala.
Blymyer Iron Works Company, Cincinnati, Ohio.
Buffalo Forge Company, Buffalo, N. Y.
Chattanoga Plow Company, Chattanooga, Tenn.
Hersey Manufacturing Company, South Boston, Mass.
George M. Newhall Engineering Company, Ltd., Philadelphia, Pa.
The Platt Iron Works Company, Dayton, Ohio.
Pusey & Jones Company, Wilmington, Del.
Quintard Iron Works Company, New York.
T. Shriver & Co., New York.
Sugar Apparatus Manufacturing Company, Philadelphia, Pa.
Vermont Farm Machine Company, Bellows Falls, Vt.
R. D. Wood & Co., Philadelphia, Pa.

950—EXCAVATORS.

(See Dredges.)

951—EXCAVATORS, SUBMARINE.

(See Machinery, Sub-marine Excavating.)

952—EXPANDED METAL LATH, ETC.

(See Metal, Expanded.)

953—EXPLOSIVES.

The Aetna Powder Company, Chicago, Ill.
Austin Powder Company, Cleveland, Ohio.
California Powder Works, San Francisco, Cal.
Equitable Powder Manufacturing Company, St. Louis, Mo.
The Judson Dynamite and Powder Company, San Francisco, Cal.
Laflin & Rand Powder Company, New York.
Rand Drill Company, New York.

954—EXTRACTORS, HONEY AND WAX.

The A. I. Root Company, Medina, Ohio.

955—EXTRACTS, DYEWOOD.

American Dyewood Company, Philadelphia, Pa.
Franklin H. Kalbfleisch Company, New York.
Herman A. Metz, New York.
The Selling Company, New York.

956—EXTRACTS, FLAVORING.

A. Colburn Company, Philadelphia, Pa.
Dodge & Olcott, New York.
Dodson-Braun Manufacturing Company, St. Louis, Mo.
Hall & Ruckel, New York.
E. C. Hazard & Co., New York.
The Heyden Chemical Works, New York.
Francis H. Leggett & Co., New York.
Liquid Carbonic Company, Chicago, Ill.
National Licorice Company, Brooklyn, N. Y.
Tone Brothers, Des Moines, Iowa.

957—EXTRACTS, MEAT.

(See Beef Products.)

958—EXTRACTS, PERFUMERY.

(See Perfumes and Extracts.)

959—EXTRACTS, PHARMACEUTICAL.

Billings Clapp Company, Boston, Mass.
The G. F. Harvey Company, Saratoga Springs, N. Y.
The Heyden Chemical Works, New York.
Eli Lilly & Co., Indianapolis, Ind.
Parke, Davis & Co., Detroit, Mich.
Frederick Stearns & Co., Detroit, Mich.
Henry K. Wampole & Co., Philadelphia, Pa.
William R. Warner & Co., Philadelphia, Pa.
John Wyeth & Brother, Inc., Philadelphia, Pa.

960—EYEGLASSES AND SPECTACLES.

American Optical Company, Southbridge, Mass.
Bausch & Lomb Optical Company, Rochester, N. Y.
S. O. Bigney Company, Attleboro, Mass.
R. R. Fogel & Co., New York.
Leonard Krower, New Orleans, La.
The Standard Optical Company, Geneva, N. Y.

961—EYELETS.

Higgin Manufacturing Company, Newport, Ky.
The Plume & Atwood Manufacturing Company, New York.
The Sewing Machine Supplies Company, Boston, Mass.
Tubular Rivet and Stud Company, Boston, Mass.
Waterbury Brass Company, Waterbury, Conn.

962—FAB-RI-KO-NA WOVEN WALL COVERINGS.

H. B. Wiggin's Sons Company, Bloomfield, N. J.

963—FACINGS, FOUNDRY.

J. W. Paxson Co., Philadelphia, Pa.

964—FANS, ELECTRIC, CEILING AND DESK.

American Blower Company, Detroit, Mich.
Gordon Battery Company, New York.

964—FANS, ELECTRIC, CEILING AND DESK—Continued.

Hunter Arms Company, Fulton, N. Y.
The Jones Electrical Company, New York.
Stanley & Patterson, Inc., New York.
B. F. Sturtevant Company, Hyde Park, Mass.

965—FANS, EXHAUST.

American Blower Company, Detroit, Mich.
Buffalo Forge Company, Buffalo, N. Y.
Duncan Foundry and Machine Works, Alton, Ill.
Nordyke & Marmon Company, Indianapolis, Ind.
Robinson Machine Company, Monongahela, Pa.
B. F. Sturtevant Company, Hyde Park, Mass.
Vulcan Iron Works, Wilkes-Barre, Pa.

966—FANS, FLY.

National Enameling and Stamping Company, New York.

967—FASHIONS.

The Jno. J. Mitchell Company, New York.

968—FASTENERS, BOX.

(See also Hoops, Iron and Steel.)
Cary Manufacturing Company, New York.

969—FASTENERS, PAPER.

The Niagara Clip Company, New York.
Thomas Stationery Manufacturing Company, Springfield, Ohio.
The Weis Manufacturing Company, Toledo, Ohio.

970—FASTENERS, SNAP.

Traut & Hine Manufacturing Company, New Britain, Conn.

971—FAUCETS, BEER.

Bishop & Babcock Company, Cleveland, Ohio.
New Departure Manufacturing Company, Bristol, Conn.
John Sommer's Son, Newark, N. J.
United States Bung Manufacturing Company, Brooklyn, N. Y.

972—FAUCETS, IRON.

Eaton, Cole & Burnham Company, New York.
Fred. J. Meyers Manufacturing Company, Hamilton, Ohio.
Sargent & Co., New York.
United States Bung Manufacturing Company, Brooklyn, N. Y.

973—FAUCETS, OIL CAN.

Taylor & Boggis Foundry Company, Cleveland, Ohio.

974—FAUCETS, SELF-MEASURING.

S. F. Bowser & Co., Inc., Fort Wayne, Ind.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.
Hersey Manufacturing Company, South Boston, Mass.

975—FAUCETS, WOODEN.

Boston & Lockport Block Company, Boston, Mass.
John Sommer's Son, Newark, N. J.
United States Bung Manufacturing Company, Brooklyn, N. Y.

976—FEATHERS.

P. R. Mitchell Company, Cincinnati, Ohio.

977—FEED, CATTLE.

American Cotton Oil Company, New York.
American Hominy Company, Indianapolis, Ind.
Ballard & Ballard Company, Louisville, Ky.
H-O (Hornby's Oatmeal) Company, Buffalo, N. Y.
International Stock Food Company, Minneapolis, Minn.
Kentucky Refining Company, Louisville, Ky.
Meridian Fertilizer Factory, Meridian, Miss.
Mid-Continent Mills, Topeka, Kan.
Millbourne Mills Company, Philadelphia, Pa.
Miner-Hillard Milling Company, Wilkes-Barre, Pa.
The Northwestern Consolidated Milling Company, Minneapolis, Minn
O'Brien Varnish Company, South Bend, Ind.
People's Independent Rice Mill Company, Ltd., Crowley, La.
The Perkins Oil Company, Memphis, Tenn.
Ph. H. Postel Milling Company, Mascoutah, Ill.
J. Allen Smith & Co., Inc., Knoxville, Tenn.
The Southern Cotton Oil Company, New York.
Bernhard Stern & Sons, Milwaukee, Wis.
Suffern, Hunt & Co., Decatur, Ill.
Warner Sugar Refining Company, Waukegan, Ill.
Yates & Donelson Company, Memphis, Tenn.

978—FEED, DAIRY AND POULTRY.

H-O (Hornby's Oatmeal) Company, Buffalo, N. Y.
International Stock Food Company, Minneapolis, Minn.

979—FEEDERS, CANE CARRIER.

Bodley Wagon Company, Memphis, Tenn.
Buffalo Forge Company, Buffalo, N. Y.
Lidgerwood Manufacturing Company, New York.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
Pusey & Jones Company, Wilmington, Del.

980—FEEDERS, HAY AND STRAW.

A. Buch's Sons Company, Elizabethtown, Pa.
A. L. Swett Iron Works, Medina, N. Y.

981—FELT, FIREPROOF.

F. W. Bird & Son, East Walpole, Mass.
Philip Carey Manufacturing Company, Lockland, Ohio.
H. F. Watson Company, Erie, Pa.

982—FELT, HAIR.

Baeder, Adamson & Co., Philadelphia, Pa.
Philip Carey Manufacturing Company, Lockland, Ohio.
Old Colony Hat Company, Fall River, Mass.

983—FELT, MILLINERY.

The Faatz-Reynolds Felting Company, Lestershire, N. Y.

984—FELT, PAPERMAKERS'.

Bulkley, Dunton & Co., New York.
The Faatz-Reynolds Felting Company, Lestershire, N. Y.
F. C. Huyck & Sons, Rensselaer, N. Y.
Shuler & Benninghofen, Hamilton, Ohio.

985—FELT, ROOFING AND SHEATHING.

F. W. Bird & Son, East Walpole, Mass.
Samuel Cabot, Boston, Mass.

985—FELT, ROOFING AND SHEATHING—Continued.

Philip Carey Manufacturing Company, Lockland, Ohio.
Keasbey & Mattison Company, Ambler, Pa.
The Paraffine Paint Company, San Francisco, Cal.
The Standard Paint Company, New York.
Warren-Ehret Company, Philadelphia, Pa.
H. F. Watson Company, Erie, Pa.

986—FELT, WOOL.

The Faatz-Reynolds Felting Company, Lestershire, N. Y.
Shuler & Benninghofen, Hamilton, Ohio.

987—FENCES, STEEL.

Gilbert & Bennett Manufacturing Company, Georgetown, Conn.
Lamb Wire Fence Company, Adrian, Mich.
A. Lucas & Sons, Peoria, Ill.
James McKinney & Son, Albany, N. Y.
Spencer Wire Company, Worcester, Mass.
The Van Dorn Iron Works Company, Cleveland, Ohio.

988—FENCES, WIRE.

(See Wire Fencing.)

989—FENCES, WROUGHT IRON.

The Champion Iron Company, Kenton, Ohio.
Lamb Wire Fence Company, Adrian, Mich.
A. Lucas & Sons, Peoria, Ill.
James McKinney & Son, Albany, N. Y.
Mast, Foos & Co., Springfield, Ohio.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Milliken Brothers, New York.
Page Woven Wire Fence Company, Adrian, Mich.
Taylor & Dean, Pittsburg, Pa.
W. S. Tyler Company, Cleveland, Ohio.
Jno. Williams, New York.

990—FENDERS, STREET CAR.

McGuire-Cummings Manufacturing Company, Chicago, Ill.

991—FERROMANGANESE.

Carnegie Steel Company, Pittsburg, Pa.

992—FERTILIZER DISTRIBUTORS.

(See also Spreaders, Manure.)

S. L. Allen & Co., Philadelphia, Pa.
American Harrow Company, Detroit, Mich.
Bateman Manufacturing Company, Grenloch, N. J.
Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Gale Manufacturing Company, Albion, Mich.
International Harvester Company of America, Chicago, Ill.
Kemp & Burpee Manufacturing Company, Syracuse, N. Y.
Keystone Farm Machine Company, York, Pa.
The Newark Machine Company, Newark, N. J.

993—FERTILIZERS.

American Agricultural Chemical Company, New York.
American Cotton Oil Company, New York.
Armour & Co., Chicago, Ill.
Meridian Fertilizer Factory, Meridian, Miss.

993—FERTILIZERS—Continued.

Morris & Company, Chicago, Ill.
Swift and Company, Chicago, Ill.
Virginia-Carolina Chemical Company, Richmond, Va.

994—FIBREWARE.

United Indurated Fibre Company, Lockport, N. Y.

995—FILES AND RASPS.

G. & H. Barnett Company, Philadelphia, Pa.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Heller Brothers Company, Newark, N. J.
McCaffrey File Company, Philadelphia, Pa.
National Novelty Corporation, New York.
Nicholson File Company, Providence, R. I.

996—FILES, LETTER.

Amberg File and Index Company, Chicago, Ill.
Art Metal Construction Company, Jamestown, N. Y.
Globe-Wernicke Company, Cincinnati, Ohio.
Grand Rapids Refrigerator Company, Grand Rapids, Mich.
Library Bureau, Boston, Mass.
The Macey-Wernicke Company, Ltd., Grand Rapids, Mich.
The Shaw-Walker Company, Muskegon, Mich.
The Van Dorn Iron Works Company, Cleveland, Ohio.
Wabash Cabinet Company, Wabash, Ind.
The Weis Manufacturing Company, Toledo, Ohio.
Yawman & Erbe Manufacturing Company, Rochester, N. Y.

997—FILES, NAIL.

(See Nail Files.)

998—FILING DEVICES, OFFICE.

(See also Files, Letter.)

Baker-Vawter Company, Chicago, Ill.
Commercial Envelope and Box Company, Binghamton, N. Y.
Eichbaum Company, Pittsburg, Pa.
Gregory, Mayer & Thom Company, Detroit, Mich.
William G. Johnston & Co., Pittsburg, Pa.
The Ransom & Randolph Company, Toledo, Ohio.

999—FILLERS, LIQUID AND PASTE.

(See Wood Fillers and Iron Fillers.)

1000—FILMS, TRANSPARENT, PHOTOGRAPHIC.

The Anthony & Scovill Company, Binghamton, N. Y.
Eastman Kodak Company, Rochester, N. Y.

1001—FILTERS, AIR.

The Joseph Schneible Company, New York.

1002—FILTERS, OIL.

Akron Belting Company, Akron, Ohio.

1003—FILTERS, WATER.

Field Force Pump Company, Elmira, N. Y.
Loomis-Manning Filter Company, Philadelphia, Pa.
New York Continental Jewell Filtration Company, New York.
Warren Webster & Co., Camden, N. J.

1004—FILTRATION PLANTS.

Charles Bond, Philadelphia, Pa.
L. O. Koven & Brother, New York.
Loomis-Manning Filter Company, Philadelphia, Pa.
New York Continental Jewell Filtration Company, New York.

1005—FINISHERS.

(See Dyers and Finishers.)

1006—FINISHERS OF YARNS.

(See Dyers and Finishers of Yarns.)

1007—FIRE ALARMS.

General Fire Extinguisher Company, Providence, R. I.
International Sprinkler Company, Philadelphia, Pa.
Niagara Fire Extinguisher Company, Akron, Ohio.
Stanley & Patterson, Inc., New York.

1008—FIRE CLAY.

(See Clay, Fire, Pot and other.)

1009—FIRE ESCAPES.

Merritt & Co., Inc., Philadelphia, Pa.
Milliken Brothers, New York.
Taylor & Dean, Pittsburg, Pa.
The Van Dorn Iron Works Company, Cleveland, Ohio.

1010—FIRE EXTINGUISHERS, AUTOMATIC.

E. B. Badger & Sons Company, Boston, Mass.
General Fire Extinguisher Company, Providence, R. I.
International Sprinkler Company, Philadelphia, Pa.
Manufacturers' Automatic Sprinkler Company, New York.
Niagara Fire Extinguisher Company, Akron, Ohio.
John Simmons Company, New York.
Tea Tray Company of Newark, Newark, N. J.
Walworth Manufacturing Company, Boston, Mass.

1011—FIRE POTS, GASOLINE.

The Best Street Light Company, Canton, Ohio.
Clayton & Lambert Manufacturing Company, Detroit, Mich.
Haines, Jones & Cadbury Company, Philadelphia, Pa.

1012—FIRE SAND FOR FOUNDRIES.

M. D. Valentine & Brother Company, Woodbridge, N. J.

1013—FIREARMS.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn.
John H. Graham & Co., New York.
Harrington & Richardson Arms Company, Worcester, Mass.
M. Hartley Company, New York.
The Hopkins and Allen Arms Company, Norwich, Conn.
Hunter Arms Company, Fulton, N. Y.
The Charles Parker Company, Meriden, Conn.
Smith & Wesson, Springfield, Mass.
J. Stevens Arms and Tool Company, Chicopee Falls, Mass.

1014—FIREMEN'S EQUIPMENTS.

William G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
Rossendale-Reddaway Belting and Hose Company, Newark, N. J.
The Seagrave Company, Columbus, Ohio.
Vajen-Bader Company, Richmond, Ind.

1015—FIREPROOF MATERIALS FOR BUILDINGS.

E. B. Badger & Sons Company, Boston, Mass.
Berger Manufacturing Company, Canton, Ohio.
F. W. Bird & Son, East Walpole, Mass.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Chess Brothers, Pittsburg, Pa.
N. Clark & Sons, San Francisco, Cal.
W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.
Evens & Howard Fire Brick Company, St. Louis, Mo.
Gladding, McBean & Co., San Francisco, Cal.
Hammill & Gillespie, New York.
Harbison-Walker Refractories Company, Pittsburg, Pa.
Keasbey & Mattison Company, Ambler, Pa.
Keystone Plaster Company, Chester, Pa.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
David Lupton's Sons Company, Philadelphia, Pa.
The Mackolite Fireproofing Company, Chicago, Ill.
Merritt & Co., Inc., Philadelphia, Pa.
Montague & Co., Chattanooga, Tenn.
W. H. Mullins, Salem, Ohio.
National Fire Proof Paint Corporation, Chicago, Ill.
National Fire Proofing Company, Pittsburg, Pa.
Parker-Russell Mining and Manufacturing Company, St. Louis, Mo.
Robinson Clay Product Company, Akron, Ohio.
H. Stevens' Sons Company, Macon, Ga.
H. F. Watson Company, Erie, Pa.

1016—FIREPROOF SEATING FOR RAILWAY CARS.

Hale & Kilburn Manufacturing Company, Philadelphia, Pa.

1017—FISH PLATES.

Illinois Steel Company, Chicago, Ill.
Pennsylvania Steel Company, Philadelphia, Pa.
Pittsburg Forge and Iron Company, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.

1018—FISHING ROD MOUNTINGS.

Horton Manufacturing Company, Bristol, Conn.
Yawman & Erbe Manufacturing Company, Rochester, N. Y.

1019—FISHING RODS, STEEL.

Horton Manufacturing Company, Bristol, Conn.

1020—FISHING TOOLS.

(See also Tools, Drilling.)

Leidecker Tool Company, Marietta, Ohio.
Star Drilling Machine Company, Akron, Ohio.

1021—FITTINGS, ACID.

E. B. Badger & Sons Company, Boston, Mass.
Eastwood Wire Manufacturing Company, Belleville, N. J.
Gladding, McBean & Co., San Francisco, Cal.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
Home Rubber Company, Trenton, N. J.
Roe Stephens Manufacturing Company, Detroit, Mich.
H. Stevens' Sons Company, Macon, Ga.

1022—FITTINGS, AMMONIA.

Frick Company, Waynesboro, Pa.
Michigan Lubricator Company, Detroit, Mich.

1022—FITTINGS, AMMONIA—Continued.

National Tube Company, Pittsburg, Pa.
Ruemmeli-Dawley Manufacturing Company, St. Louis, Mo.
Transue & Williams Company, Alliance, Ohio.
Henry Vogt Machine Company, Louisville, Ky.
Weir & Craig Manufacturing Company, Chicago, Ill.
York Manufacturing Company, York, Pa.

1023—FITTINGS, STEAM, GAS AND WATER.

American Injector Company, Detroit, Mich.
American Radiator Company, Chicago, Ill.
Bingham & Taylor, Buffalo, N. Y.
H. Belfield & Co., Philadelphia, Pa.
Buckeye Iron and Brass Works, Dayton, Ohio.
The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
Clum & Atkinson, Rochester, N. Y.
Crane Company, Chicago, Ill.
Wm. M. Crane Company, New York.
Detroit Lubricator Company, Detroit, Mich.
Detroit Shipbuilding Company, Detroit, Mich.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
The Dimmick Pipe Company, Birmingham, Ala.
Dunham, Carrigan & Hayden Company, San Francisco, Cal.
Eastwood Wire Manufacturing Company, Belleville, N. J.
Eaton, Cole & Burnham Company, New York.
Fairbanks Company, New York.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Stanley G. Flagg & Co., Philadelphia, Pa.
Flint & Walling Manufacturing Company, Kendallville, Ind.
Fuller Iron Works, Providence, R. I.
W. T. Garratt & Co., San Francisco, Cal.
General Fire Extinguisher Company, Providence, R. I.
John H. Graham & Co., New York.
Haines, Jones & Cadbury Company, Philadelphia, Pa.
Hoffmann & Billings Manufacturing Company, Milwaukee, Wis
Illinois Malleable Iron Company, Chicago, Ill.
Jarecki Manufacturing Company, Erie, Pa.
Johnson Service Company, Milwaukee, Wis.
The Judson Governor Company, Rochester, N. Y.
Kelly & Jones Company, New York.
Kelly Foundry and Machine Company, Goshen, Ind.
The Kennedy Valve Manufacturing Company, New York.
Klauer Manufacturing Company, Dubuque, Iowa.
Lacy Manufacturing Company, Los Angeles, Cal.
Landers, Frary & Clark, New Britain, Conn.
Liquid Carbonic Company, Chicago, Ill.
John E. Lonergan & Co., Philadelphia, Pa.
Lunkenheimer Company, Cincinnati, Ohio.
McRae & Roberts Company, Detroit, Mich.
Malleable Iron Fittings Company, Branford, Conn.
The Mason Regulator Company, Boston, Mass.
Michigan Lubricator Company, Detroit, Mich.
The Milner & Kettig Company, Birmingham, Ala.
J. L. Mott Iron Works, New York.
H. Mueller Manufacturing Company, Decatur, Ill.
National Tube Company, Pittsburg, Pa.
New Departure Manufacturing Company, Bristol, Conn.
Niagara Fire Extinguisher Company, Akron, Ohio.
The Ohio Brass Company, Mansfield, Ohio.

1023—FITTINGS, STEAM, GAS AND WATER—Continued.

The Ohio Brass and Iron Manufacturing Company, Cleveland, Ohio.
The Peck Brothers & Co., New Haven, Conn.
The Pelton Water Wheel Company, San Francisco, Cal.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
Pittsburg Valve, Foundry and Construction Company, Pittsburg, Pa
William Powell Company, Cincinnati, Ohio.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind
The J. Roylance Brass Works, San Francisco, Cal.
J. J. Ryan & Co., Chicago, Ill.
Sherwood Manufacturing Company, Buffalo, N. Y.
John Simmons Company, New York.
Standard Sanitary Manufacturing Company, Pittsburg, Pa.
Roe Stephens Manufacturing Company, Detroit, Mich.
Street & Kent Manufacturing Company, Chicago, Ill.
A. L. Swett Iron Works, Medina, N. Y.
John Trageser Steam Copper Works, New York.
Walworth Manufacturing Company, Boston, Mass.
Watson-Stillman Company, New York.
Warren Webster & Co., Camden, N. J.
Weir & Craig Manufacturing Company, Chicago, Ill.
Western Gas Construction Company, Fort Wayne, Ind.
Whitlock Coil Pipe Company, Hartford, Conn.
Wilson, Snyder Manufacturing Company, Pittsburg, Pa.
J. B. Wise, Watertown, N. Y.
L. Wolff Manufacturing Company, Chicago, Ill.

1024—FIXTURES, BANK AND OFFICE.

The A. H. Andrews Company, Chicago, Ill.
Art Metal Construction Company, Jamestown, N. Y.
Avery & Co., Saginaw, Mich.
Cheney Bigelow Wire Works, Springfield, Mass.
F. X. Ganter, Baltimore, Md.
Gilbert & Bennett Manufacturing Company, Georgetown, Conn.
Grand Rapids Brass Company, Grand Rapids, Mich.
Howard & Morse, New York.
Library Bureau, Boston, Mass.
A. Lucas & Sons, Peoria, Ill.
Manhattan Brass Company, New York.
Matthews Brothers Manufacturing Company, Milwaukee, Wis.
Merritt & Co., Inc., Philadelphia, Pa.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Milliken Brothers, New York.
The Robert Mitchell Furniture Company, Cincinnati, Ohio.
J. P. Paulson, Denver, Col.
The Standard Company, Chicago, Ill.
Taylor & Dean, Pittsburg, Pa.
W. S. Tyler Company, Cleveland, Ohio.
The Van Dorn Iron Works Company, Cleveland, Ohio.
A. & S. Wilson Company, Pittsburg, Pa.
M. Winter Lumber Company, Sheboygan, Wis.
Woodward Lumber Company, Atlanta, Ga.

1025—FIXTURES, BAR.

The Brunswick-Balke-Collender Company, New York.
F. X. Ganter, Baltimore, Md.
McCray Refrigerator Company, Kendallville, Ind.
J. P. Paulson, Denver, Col.
B. A. Stevens, Toledo, Ohio.

1026—FIXTURES, COURT HOUSE.

The Robert Mitchell Furniture Company, Cincinnati, Ohio.

1027—FIXTURES, GAS AND ELECTRIC.

Cassidy & Son Manufacturing Company, New York.
Wm. M. Crane Company, New York.
Dayton Manufacturing Company, Dayton, Ohio.
The Hart Manufacturing Company, Hartford, Conn.
The Jones Electrical Company, New York.
Edward Miller & Co., Meriden, Conn.
The Charles Parker Company, Meriden, Conn.
Pettingell-Andrews Company, Boston, Mass.
Shelby Electric Company, Shelby, Ohio.

1028—FIXTURES, INCANDESCENT GAS.

The Best Street Light Company, Canton, Ohio.
Edward Miller & Co., Meriden, Conn.
Welsbach Company, Gloucester, N. J.

1029—FIXTURES, MARKET.

Brecht B. S. Co., St. Louis, Mo.
Eureka Refrigerator Company, Indianapolis, Ind.
Bernard Gloekler, Pittsburg, Pa.
Grand Rapids Refrigerator Company, Grand Rapids, Mich.
Gurney Refrigerator Company, Fond du Lac, Wis.
McCray Refrigerator Company, Kendallville, Ind.
Maine Manufacturing Company, Nashua, N. H.
B. A. Stevens, Toledo, Ohio.
Vaughan & Bushnell Manufacturing Company, Chicago, Ill.

1030—FIXTURES, STABLE.

A. Buch's Sons Company, Elizabethtown, Pa.
Gilbert & Bennett Manufacturing Company, Georgetown, Conn
Merritt & Co., Inc., Philadelphia, Pa.
J. L. Mott Iron Works, New York.
A. L. Swett Iron Works, Medina, N. Y.
The Van Dorn Iron Works Company, Cleveland, Ohio.

1031—FIXTURES, STORE.

Atwood Brothers, East Whitman, Mass.
F. X. Ganter, Baltimore, Md.
Grand Rapids Brass Company, Grand Rapids, Mich.
Grand Rapids Hand Screw Company, Grand Rapids, Mich.
Grand Rapids Show Case Company, Grand Rapids, Mich.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Morley Brothers, Saginaw, Mich.
J. P. Paulson, Denver, Col.
Penn-American Plate Glass Company, Pittsburg, Pa.
J. N. Struck & Bro., Inc., Louisville, Ky.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.
M. Winter Lumber Company, Sheboygan, Wis.

1032—FLAGS, SILK.

Cheney Brothers, Inc., South Manchester, Conn.

1033—FLANGES, PIPE.

The Ball & Wood Company, New York.
Crane Company, Chicago, Ill.
Stanley G. Flagg & Co., Philadelphia, Pa.
Fuller Iron Works, Providence, R. I.
Glasgow Iron Company, Pottstown, Pa.

1033—FLANGES, PIPE—Continued.

Illinois Malleable Iron Company, Chicago, Ill.
Jackes-Evans Manufacturing Company, St. Louis, Mo.
Kelly & Jones Company, New York.
Latrobe Steel Company, Philadelphia, Pa.
Midvale Steel Company, Philadelphia, Pa.
National Tube Company, Pittsburg, Pa.
Arthur J. O'Leary & Son Company, Chicago, Ill.
John Simmons Company, New York.
South Chester Tube Company, Chester, Pa.
Standard Steel Works, Philadelphia, Pa.
Transue & Williams Company, Alliance, Ohio.
Walworth Manufacturing Company, Boston, Mass.

1034—FLANNELS, COTTON.

(See Cotton Flannels.)

1035—FLANNELS, WOOLEN.

Arnold Print Works, North Adams, Mass.
Deering, Milliken & Co., New York.
Dodge-Davis Manufacturing Company, Bristol, N. H.
Talbot Mills, North Billerica, Mass.
John Williams Manufacturing Company, Philadelphia, Pa.
Zanesville Woolen Manufacturing Company, Zanesville, Ohio.

1036—FLASKS, MOULDERS'.

J. W. Paxson Co., Philadelphia, Pa.
The Reeves Brothers Company, Alliance, Ohio.
Whiting Foundry Equipment Company, Harvey, Ill.

1037—FLOORING, FIRE-PROOF.

Chess Brothers, Pittsburg, Pa.
W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.
Gladding, McBean & Co., San Francisco, Cal.
Keystone Plaster Company, Chester, Pa.
The Mackolite Fireproofing Company, Chicago, Ill.
Merritt & Co., Inc., Philadelphia, Pa.
Montague & Co., Chattanooga, Tenn.
National Fire Proofing Company, Pittsburg, Pa.
Parker-Russell Mining and Manufacturing Company, St. Louis, Mo.
H. Stevens' Sons Company, Macon, Ga.

1038—FLOORING, HARDWOOD.

American Parquetry Floor Company, Philadelphia, Pa.
Francis Beidler & Co., Chicago, Ill.
Bliss & Van Auken, Saginaw, Mich.
Briggs & Cooper Company, Ltd., Saginaw, Mich.
S. L. Eastman Flooring Company, Saginaw, Mich.
The M. B. Farrin Lumber Company, Cincinnati, Ohio.
Foster Lumber Company, Indianapolis, Ind.
Henry Gaus & Sons Manufacturing Company, St. Louis, Mo.
Himmelberger-Harrison Lumber Company, Morehouse, Mo.
Irving & Casson, Boston, Mass.
Kertscher & Co., New York.
Wm. Miller & Sons, Inc., Rochester, Pa.
Scott-Graff Lumber Company, Duluth, Minn.
Tacoma Mill Company, San Francisco, Cal.
Henry Taylor Lumber Company, Lafayette, Ind.
The T. Wilce Company, Chicago, Ill.
A. & S. Wilson Company, Pittsburg, Pa.

1038—FLOORING, HARDWOOD—Continued.

Jas. G. Wilson Manufacturing Company, New York.
Woodward Lumber Company, Atlanta, Ga.
W. D. Young & Co., Bay City, W. S., Mich.

1039—FLOORING, IRON AND STEEL.

Western Gas Construction Company, Fort Wayne, Ind.
Alan Wood Iron and Steel Company, Philadelphia, Pa.

1040—FLOUR, BARLEY.

Miner-Hillard Milling Company, Wilkes-Barre, Pa.

1041—FLOUR, BUCKWHEAT.

The N. C. Foster Lumber Company, Fairchild, Wis.
H-O (Hornby's Oatmeal) Company, Buffalo, N. Y.
Miner-Hillard Milling Company, Wilkes-Barre, Pa.

1042—FLOUR, CORN.

American Hominy Company, Indianapolis, Ind.
Miner-Hillard Milling Company, Wilkes-Barre, Pa.
Ph. H. Postel Milling Company, Mascoutah, Ill.
J. Allen Smith & Co., Inc., Knoxville, Tenn.
Suffern, Hunt & Co., Decatur, Ill.
Yates & Donelson Company, Memphis, Tenn.

1043—FLOUR, RICE.

Louisiana Irrigation and Mill Company, Crowley, La.
People's Independent Rice Mill Company, Ltd., Crowley, La.

1044—FLOUR, RYE.

Miner-Hillard Milling Company, Wilkes-Barre, Pa.
J. Allen Smith & Co., Inc., Knoxville, Tenn.

1045—FLOUR, SELF-RAISING.

H-O (Hornby's Oatmeal) Company, Buffalo, N. Y.

1046—FLOUR, WHEAT.

Ballard & Ballard Company, Louisville, Ky.
Mid-Continent Mills, Topeka, Kan.
Millbourne Mills Company, Philadelphia, Pa.
Miner-Hillard Milling Company, Wilkes-Barre, Pa.
The Northwestern Consolidated Milling Company, Minneapolis, Minn.
Pillsbury-Washburn Flour Mills Company, Ltd., Minneapolis Minn.
Ph. H. Postel Milling Company, Mascoutah, Ill.
J. Allen Smith & Co., Inc., Knoxville, Tenn.
Sperry Flour Company, San Francisco, Cal.
Bernhard Stern & Sons, Milwaukee, Wis.
Washburn Crosby Company, Minneapolis, Minn.
The Washington Water Power Company, Spokane, Wash.
Yates & Donelson Company, Memphis, Tenn.

1047—FLOWERS, PAPER.

Japanese Tissue Mills, Holyoke, Mass.

1048—FLUES, CHIMNEY.

American Sewer Pipe Company, Pittsburg, Pa.
Evens & Howard Fire Brick Company, St. Louis, Mo.
Gladding, McBean & Co., San Francisco, Cal.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
Monmouth Mining and Manufacturing Company, Monmouth, Ill

1048—FLUES, CHIMNEY—Continued.

Montague & Co., Chattanooga, Tenn.
National Fire Proofing Company, Pittsburg, Pa.
Robinson Clay Product Company, Akron, Ohio.

1049—FLUE CLEANERS, STEAM.

Power Specialty Company, Detroit, Mich.
Sherwood Manufacturing Company, Buffalo, N. Y.

1050—FLUX FOR BLAST FURNACES.

Bessemer Limestone Company, Youngstown, Ohio.
Franklin Stone Company, Marble Cliff, Ohio.
The Norris & Christian Stone and Lime Company, Marion, Ohio.

1051—FLY PAPER.

O. & W. Thum Company, Grand Rapids, Mich.

1052—FLY SCREENS, METAL.

Higgin Manufacturing Company, Newport, Ky.

1053—FLY SCREENS, NET.

Arawana Mills, Middletown, Conn.

1054—FLY WHEELS.

(See Wheels, Fly.)

1055—FOIL, TIN.

Coe Brass Manufacturing Company, Torrington, Conn
Colwell Lead Company, New York.
Conley Foil Company, New York.
Lehmaier, Schwartz & Co., New York.

1056—FOLDING MACHINES, PAPER.

(See Machines, Folding.)

1057—FOODS, PREPARED.

Anheuser-Busch Brewing Association, St. Louis, Mo.
Cream of Wheat Company, Minneapolis, Minn.
E. C. Hazard & Co., New York.
H. J. Heinz Company, Pittsburg, Pa.
H-O (Hornby's Oatmeal) Company, Buffalo, N. Y.
Horlick's Food Company, Racine, Wis.
Malta-Vita Pure Food Company, Battle Creek, Mich.
Parke, Davis & Co., Detroit, Mich.
Postum Cereal Company, Ltd., Battle Creek, Mich.

1058—FOODS, STOCK.

H-O (Hornby's Oatmeal) Company, Buffalo, N. Y.
International Stock Food Company, Minneapolis, Minn.

1059—FORGES, PORTABLE.

Billings & Spencer Company, Hartford, Conn.
C. C. Bradley & Son, Syracuse, N. Y.
Buffalo Forge Company, Buffalo, N. Y.
Fairbanks Company, New York.
Foos Manufacturing Company, Springfield, Ohio.
Manning, Maxwell & Moore, New York.
Ross Meehan Foundry Company, Chattanooga, Tenn.
Silver Manufacturing Company, Salem, Ohio.
B. F. Sturtevant Company, Hyde Park, Mass.
Union Drop Forge Company, Chicago, Ill.

1060—FORGINGS, CAR.

American Car and Foundry Company, New York.
American Iron and Steel Manufacturing Company, Lebanon, Pa.
The Bass Foundry and Machine Company, Fort Wayne, Ind.
Carnegie Steel Company, Pittsburg, Pa.
Chattanooga Car and Foundry Company, Chattanooga, Tenn.
Duncan Foundry and Machine Works, Alton, Ill.
Erie Car Works, Erie, Pa.
Farist Steel Company, Bridgeport, Conn.
Gould Coupler Company, New York.
William Harris & Son, Pittsburg, Pa.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
James McKay & Co., Pittsburg, Pa.
Midvale Steel Company, Philadelphia, Pa.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
National Tube Company, Pittsburg, Pa.
Oliver Iron and Steel Company, Pittsburg, Pa.
Otis Steel Company, Ltd., Cleveland, Ohio.
The C. Pardee Works, Perth Amboy, N. J.
Pittsburg Forge and Iron Company, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.
Simplex Railway Appliance Company, Hammond, Ind.
Solid Steel Tool and Forge Company, Pittsburg, Pa.
Standard Steel Works, Philadelphia, Pa.
Taylor Iron and Steel Company, High Bridge, N. J.
Transue & Williams Company, Alliance, Ohio.
Verona Tool Works, Pittsburg, Pa.
Wason Manufacturing Company, Springfield, Mass.
The Watt Mining Car Wheel Company, Barnesville, Ohio.

1061—FORGINGS, CARRIAGE AND AUTOMOBILE.

W. H. Anderson & Sons, Inc., Detroit, Mich.
Ansted Spring and Axle Company, Connersville, Md.
Billings & Spencer Company, Hartford, Conn.
The E. D. Clapp Manufacturing Company, Auburn, N. Y.
Cleveland Hardware Company, Cleveland, Ohio.
Columbus Bolt Works, Columbus, Ohio.
Crandal, Stone & Co., Binghamton, N. Y.
Oliver Iron and Steel Company, Pittsburg, Pa.
Otis Steel Company, Ltd., Cleveland, Ohio.
Parry Manufacturing Company, Indianapolis, Ind.
Pontiac Axle Company, Pontiac, Mich.
Republic Iron and Steel Company, Chicago, Ill.
The Scranton Forging Company, Scranton, Pa.
Sheldon Axle Company, Wilkes-Barre, Pa.
Solid Steel Tool and Forge Company, Pittsburg, Pa.
Studebaker Brothers Manufacturing Company, South Bend, Ind.

1062—FORGINGS, DROP.

Billings & Spencer Company, Hartford, Conn.
The E. D. Clapp Manufacturing Company, Auburn, N. Y.
Cleveland Hardware Company, Cleveland, Ohio.
James McKay & Co., Pittsburg, Pa.
Michigan Bolt and Nut Works, Detroit, Mich.
Midvale Steel Company, Philadelphia, Pa.
National Tube Company, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.
The Scranton Forging Company, Scranton, Pa.
Solid Steel Tool and Forge Company, Pittsburg, Pa.

1062—FORGINGS, DROP—Continued.

Tippett & Wood, Phillipsburg, N. J.
Transue & Williams Company, Alliance, Ohio.
Union Drop Forge Company, Chicago, Ill.
Wason Manufacturing Company, Springfield, Mass.

1063—FORGINGS, ENGINEERING.

Chester B. Albree Iron Works, Allegheny, Pa.
American Iron and Steel Manufacturing Company, Lebanon, Pa.
W. H. Anderson & Sons, Inc., Detroit, Mich.
The Bass Foundry and Machine Company, Fort Wayne, Ind.
Bethlehem Steel Company, South Bethlehem, Pa.
Billings & Spencer Company, Hartford, Conn.
Caird & Hawksworth, Helena, Mont.
Carnegie Steel Company, Pittsburg, Pa.
The Case Manufacturing Company, Columbus, Ohio.
Chase Machine Company, Cleveland, Ohio.
Chattanooga Car & Foundry Company, Chattanooga, Tenn.
The J. D. Connell Iron Works, New Orleans, La.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Cumberland Steel Company, Cumberland, Md.
Farist Steel Company, Bridgeport, Conn.
William Harris & Son, Pittsburg, Pa.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
James McKay & Co., Pittsburg, Pa.
Midvale Steel Company, Philadelphia, Pa.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Oliver Iron and Steel Company, Pittsburg, Pa.
Otis Steel Company, Ltd., Cleveland, Ohio.
The C. Pardee Works, Perth Amboy, N. J.
Pennsylvania Steel Company, Philadelphia, Pa.
Pittsburg Forge and Iron Company, Pittsburg, Pa.
Pittsburgh Manufacturing Company, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.
Solid Steel Tool and Forge Company, Pittsburg, Pa.
Standard Steel Works, Philadelphia, Pa.
Taylor Iron and Steel Company, High Bridge, N. J.
Tippett & Wood, Phillipsburg, N. J.
Transue & Williams Company, Alliance, Ohio.
Union Drawn Steel Company, Beaver Falls, Pa.
Union Drop Forge Company, Chicago, Ill.
Verona Tool Works, Pittsburg, Pa.

1064—FORGINGS, LIGHT.

James McKay & Co., Pittsburg, Pa.
Michigan Bolt and Nut Works, Detroit, Mich.
National Tube Company, Pittsburg, Pa.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Pittsburgh Manufacturing Company, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.
The Scranton Forging Company, Scranton, Pa.

1065—FORKS, HAY AND MANURE.

Iowa Farming Tool Company, Fort Madison, Iowa.

1066—FORKS, HAY (HORSE).

Harrow Spring Company, Kalamazoo, Mich.
Hench, Dromgold & Co., York, Pa.
F. E. Myers & Bro., Ashland, Ohio.
Frank C. Patten Company, Sycamore, Ill.
Syracuse Chilled Plow Company, Syracuse, N. Y.

1067—FORMALDEHYDE.

The Cleveland-Cliffs Iron Company, Cleveland, Ohio.

1068—FORMERS, CLAY.

The Crossley Manufacturing Company, Trenton, N. J.
John E. Thropp's Sons Co., Trenton, N. J.

1069—FOUNDERS AND MACHINISTS.

(See Machinists.)

1070—FOUNDRY EQUIPMENT.

The W. J. Clark Company, Salem, Ohio.
Fischer Foundry and Machine Company, Pittsburg, Pa.
Gould & Eberhardt, Newark, N. J.
Heyl & Patterson, Pittsburg, Pa.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Lookout Boiler and Manufacturing Company, Chattanooga, Tenn.
James McKay & Co., Pittsburg, Pa.
James McNeil & Bro. Company, Pittsburg, Pa.
Manning, Maxwell & Moore, New York.
Marshutz & Cantrell, San Francisco, Cal.
John Mohr & Sons, Chicago, Ill.
Northern Engineering Works, Detroit, Mich.
J. W. Paxson Co., Philadelphia, Pa.
The Reeves Brothers Company, Alliance, Ohio.
Riverside Foundry Company, Cleveland, Ohio.
R. B. Seidel, Inc., Philadelphia, Pa.
William Sellers & Co., Inc., Philadelphia, Pa.
F. B. Shuster Company, New Haven, Conn.
Union Iron Works, Spokane, Wash.
M. D. Valentine & Brother Company, Woodbridge, N. J.
Wheeling Mold and Foundry Company, Wheeling, W. Va.
Whiting Foundry Equipment Company, Harvey, Ill.

1071—FOUNTAINS, DRINKING.

J. M. Kohler Sons Company, Sheboygan, Wis.
J. L. Mott Iron Works, New York.
A. L. Swett Iron Works, Medina, N. Y.

1072—FOUNTAINS FOR LAWNS AND PARKS.

The J. L. Mott Iron Works, New York.

1073—FOUNTAINS, SODA WATER.

Liquid Carbonic Company, Chicago, Ill.

1074—FOUNTAINS, STOCK WATERING.

Kelly Foundry and Machine Company, Goshen, Ind.
A. L. Swett Iron Works, Medina, N. Y.

1075—FOURDRINIER MACHINES.

Pusey & Jones Company, Wilmington, Del.
The Sandy Hill Iron and Brass Works, Sandy Hill, N. Y.

1076—FRAMES, BAG AND PURSE.

B. Conlan & Co., Newark, N. J.
Aug. Goertz & Co., Newark, N. J.
R. C. Jenkinson & Co., Newark, N. J.
L. B. Prahar, Brooklyn, N. Y.

1077—FRAMES, DOOR AND WINDOW SCREEN.

Maine Manufacturing Company, Nashua, N. H.
Owosso Manufacturing Company, Owosso, Mich.

1077—FRAMES, DOOR AND WINDOW SCREEN—Continued.

Paine Lumber Company, Ltd., Oskosh, Wis.
A. Roberson & Son, Binghamton, N. Y.
The Wheeler Osgood Company, Tacoma, Wash.
John F. Wilcox, Minneapolis, Minn.

1078—FRAMES, LEATHER, PHOTOGRAPH.

The H. D. Beach Company, Coshocton, Ohio.
C. F. Rumpp & Sons, Philadelphia, Pa.

1079—FRAMES, MIRROR.

Skandia Furniture Company, Rockford, Ill.

1080—FRAMES, MOTOR CAR.

Federal Manufacturing Company, Cleveland, Ohio.

1081—FRAMES, PICTURE.

The H. D. Beach Company, Coshocton, Ohio.
Nathan H. Hirshberg & Son, Baltimore, Md.
H. Lieber Company, Indianapolis, Ind.
The Reuhl Moulding Manufacturing Company, Cincinnati, Ohio.
Sanborn, Vail & Co., San Francisco, Cal.
Skandia Furniture Company, Rockford, Ill.
Toledo Moulding Company, Toledo, Ohio.
A. H. Vilas Company, Chicago, Ill.

1082—FREEZERS, ICE CREAM.

Thomas Mills & Brother, Inc., Philadelphia, Pa.
North Brothers Manufacturing Company, Philadelphia, Pa.
The White Mountain Freezer Company, Nashua, N. H.

1083—FROGS AND SWITCHES.

The Cleveland Frog and Crossing Company, Cleveland, Ohio.
Edwin Harrington, Son & Co., Inc., Philadelphia, Pa.
Morden Frog and Crossing Works, Chicago, Ill.
Pennsylvania Steel Company, Philadelphia, Pa.
Ramapo Iron Works, New York.

1084—FRUIT COLORING.

E. C. Hazard & Co., New York.

1085—FRUITS, CANNED AND PRESERVED.

The American Preserve Company, Philadelphia, Pa.
Beech-Nut Packing Company, Canajoharie, N. Y.
John Boyle Company, Baltimore, Md.
California Fruit Canners' Association, San Francisco, Cal.
Curtice Bros. Company, Rochester, N. Y.
Dodson Braun Manufacturing Company, St. Louis, Mo.
E. C. Hazard & Co., New York.
H. J. Heinz Company, Pittsburg, Pa.
Francis H. Leggett & Co., New York.
Libby, McNeil & Libby, Inc., Chicago, Ill.
Liquid Carbonic Company, Chicago, Ill.
Merrell-Soule Company, Syracuse, N. Y.
Tuhey Canning Company, Muncie, Ind.
Williams Brothers Company, Detroit, Mich.

1086—FRUITS, EVAPORATED.

Francis H. Leggett & Co., New York.

1087—FURNACE CLAY AND STONES.

The Bridgeport Crucible Company, Bridgeport, Conn.
Christy Fire Clay Company, St. Louis, Mo.
Evens & Howard Fire Brick Company, St. Louis, Mo.
Parker-Russell Mining and Manufacturing Company, St. Louis, Mo.

1088—FURNACES, ANNEALING.

Fischer Foundry and Machine Company, Pittsburg, Pa.
James McNeil & Bro. Company, Pittsburg, Pa.
John Mohr & Sons, Chicago, Ill.
Pennsylvania Engineering Works, New Castle, Pa.
The Reeves Brothers Company, Alliance, Ohio.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1089—FURNACES, BILLET HEATING.

Fischer Foundry and Machine Company, Pittsburg, Pa.
Manning, Maxwell & Moore, New York.
John Mohr & Sons, Chicago, Ill.
Morgan Construction Company, Worcester, Mass.
National Machinery Company, Tiffin, Ohio.
Pennsylvania Engineering Works, New Castle, Pa.
The Reeves Brothers Company, Alliance, Ohio.

1090—FURNACES, BLAST.

Chicago Flexible Shaft Company, Chicago, Ill.
James Lappan Manufacturing Company, Pittsburg, Pa.
James McNeil & Bro. Company, Pittsburg, Pa.
Macbeth Iron Company, Cleveland, Ohio.
Mackintosh, Hemphill & Co., Pittsburg, Pa.
John Mohr & Sons, Chicago, Ill.
The Morgan Engineering Company, Alliance, Ohio.
R. S. Newbold & Son Company, Norristown, Pa.
Pennsylvania Engineering Works, New Castle, Pa.
The Reeves Brothers Company, Alliance, Ohio.
Tippett & Wood, Phillipsburg, N. J.
Variety Iron Works Company, Cleveland, Ohio.

1091—FURNACES, BOILER.

(See Ironwork, Plate and Sheet.)

1092—FURNACES, BOILER, CORRUGATED.

Ruemmeli-Dawley Manufacturing Company, St. Louis, Mo.

1093—FURNACES, BRAZING.

Clayton & Lambert Manufacturing Company, Detroit, Mich.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1094—FURNACES, CHAFF AND BAGASSE BURNING.

The Stirling Company, Chicago, Ill.

1095—FURNACES, CHARCOAL.

The Griswold Manufacturing Company, Erie, Pa.

1096—FURNACES, FORGE, REVOLVING.

National Machinery Company, Tiffin, Ohio.
The Reeves Brothers Company, Alliance, Ohio.

1097—FURNACES, GAS.

Manning, Maxwell & Moore, New York.

1098—FURNACES, GASOLINE SOLDERING.

American Stove Company of N. J., St. Louis, Mo.
The Best Street Light Company, Canton, Ohio.
Clayton & Lambert Manufacturing Company, Detroit, Mich.
Haines, Jones & Cadbury Company, Philadelphia, Pa.

1099—FURNACES, HOUSEHEATING.

American Foundry and Furnace Company, Bloomington, Ill.
A. Buch's Sons Company, Elizabethtown, Pa.
Buckwalter Stove Company, Royersford, Pa.
Abram Cox Stove Company, Philadelphia, Pa.
Floyd, Wells & Co., Royersford, Pa.
Forest City Foundry and Manufacturing Company, Cleveland, Ohio.
The Fuller-Warren Company, Milwaukee, Wis.
Fuller & Warren Company, Troy, N. Y.
Germer Stove Company, Erie, Pa.
Kelsey Heating Company, Syracuse, N. Y.
Monroe Foundry and Furnace Company, Monroe, Mich.
J. L. Mott Iron Works, New York.
National Pipe Bending Company, New Haven, Conn.
Pittsburgh Stove and Range Company, Allegheny, Pa.
Isaac A. Sheppard & Co., Philadelphia, Pa.
Smith & Anthony Company, Boston, Mass.
Southard Robertson Company, New York.
The Union Stove Works, New York.

1100—FURNACES, SMELTING AND ROASTING.

Allis-Chalmers Company, Chicago, Ill.
Baker Iron Works, Los Angeles, Cal.
Caird & Hawksworth, Helena, Mont.
Christy Fire Clay Company, St. Louis, Mo.
The Colorado Iron Works Company, Denver, Col.
Cyrus Currier & Sons, Newark, N. J.
The Denver Engineering Works Company, Denver, Col.
The Denver Fire Clay Company, Denver, Col.
The Hendrie & Bolthoff Manufacturing and Supply Company, Denver, Col.
Johnson Service Company, Milwaukee, Wis.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
The Mine and Smelter Supply Company, Denver, Col.
The Reeves Brothers Company, Alliance, Ohio.
Union Iron Works, Spokane, Wash.

1101—FURNITURE, BEDROOM.

Acme Kitchen Furniture Company, Chattanooga, Tenn.
The Bailey Jones Company, Jamestown, N. Y.
Berkey & Gay Furniture Company, Grand Rapids, Mich.
Carman Manufacturing Company, Tacoma, Wash.
Doernbecher Manufacturing Company, Portland, Ore.
Evansville Furniture Company, Evansville, Ind.
Hale & Kilburn Manufacturing Company, Philadelphia, Pa.
H. Herrmann, New York.
Hodell Furniture Company, Shelbyville, Ind.
Innis, Pearce & Co., Rushville, Ind.
Irving & Casson, Boston, Mass.
Jamestown Lounge Company, Jamestown, N. Y.
Karges Furniture Company, Evansville, Ind.
Peter Klerner, New Albany, Ind.
T. B. Laycock Manufacturing Company, Indianapolis, Ind.
The Loomis & Hart Manufacturing Company, Chattanooga, Tenn.
Michigan Chair Company, Grand Rapids, Mich.

1101—FURNITURE, BEDROOM—Continued.

Muskegon Valley Furniture Company, Muskegon, Mich.
Nelson-Matter Furniture Company, Grand Rapids, Mich.
Oliver Bros. Company, Lockport, N. Y.
Phoenix Furniture Company, Grand Rapids, Mich.
Royal Furniture Company, Grand Rapids, Mich.
The Simmons Manufacturing Company, Chicago, Ill.
The Spencer & Barnes Company, Benton Harbor, Mich.
Spiegel Furniture Company, Shelbyville, Ind.
Stout & Wilson Furniture Company, Salem, Ind.
The Welch Folding Bed Company, Grand Rapids, Mich.

1102—FURNITURE, CAMP AND LAWN.

The A. H. Andrews Company, Chicago, Ill.
The Champion Iron Company, Kenton, Ohio.
H. C. Dexter Chair Company, Black River, N. Y.
Greenpoint Metallic Bed Company, Brooklyn, N. Y.
Hench, Dromgold & Co., York, Pa.
Kelly Foundry and Machine Company, Goshen, Ind.
Keystone Farm Machine Company, York, Pa.
F. H. Logeman Chair Manufacturing Company, St. Louis, Mo.
Marshall-Wells Hardware Company, Duluth, Minn.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
National Novelty Corporation, New York.
The Charles Parker Company, Meriden, Conn.
Price-Evans Foundry Company, Chattanooga, Tenn.
The Simmons Manufacturing Company, Chicago, Ill.
A. L. Swett Iron Works, Medina, N. Y.
The Van Dorn Iron Works Company, Cleveland, Ohio.

1103—FURNITURE, DINING ROOM.

Berkey & Gay Furniture Company, Grand Rapids, Mich.
Crocker Chair Company, Sheboygan, Wis.
Emrich Furniture Company, Indianapolis, Ind.
J. S. Ford, Johnson & Co., Chicago, Ill.
Frankfort Chair Company, Frankfort, Ky.
H. Herrmann, New York.
Irving & Casson, Boston, Mass.
The Lee Chair Company, Oneida, N. Y.
Michigan Chair Company, Grand Rapids, Mich.
Nelson-Matter Furniture Company, Grand Rapids, Mich.
New England Furniture Company, Grand Rapids, Mich.
New York Dimension Supply Company, New York.
L. W. Ott Manufacturing Company, Indianapolis, Ind.
The Parkersburg Chair Company, Parkersburg, W. Va.
Phoenix Furniture Company, Grand Rapids, Mich.
Royal Furniture Company, Grand Rapids, Mich.
Seattle Mattress and Upholstery Company, Seattle, Wash.
Shelbyville Wardrobe Manufacturing Company, Shelbyville, Ind.
Sikes Chair Company, Buffalo, N. Y.
Skandia Furniture Company, Rockford, Ill.
Stickley & Brandt Chair Company, Binghamton, N. Y.
The Stomps-Burkhardt Company, Dayton, Ohio.
Stout & Wilson Furniture Company, Salem, Ind.
Stow & Davis Furniture Company, Grand Rapids, Mich.
William Tonk & Bro., Inc., New York.

1104—FURNITURE, DRAFTING ROOM.

Keuffel & Esser Company, New York.

to manufacturers whose names are given in this book.

1105—FURNITURE, HALL.

C. H. Campbell Furniture Company, Shelbyville, Ind.
Chattanooga Furniture Company, Chattanooga, Tenn.
W. J. Clark Company, Salem, Ohio.,
Michigan Chair Company, Grand Rapids, Mich.
Oliver Bros. Company, Lockport, N. Y.
Royal Furniture Company, Grand Rapids, Mich.
The Stomps-Burkhardt Company, Dayton, Ohio.
The Udell Works, Indianapolis, Ind.
C. D. Widman & Co., Detroit, Mich.

1106—FURNITURE, HOSPITAL.

Bernstein Manufacturing Company, Philadelphia, Pa.
Foster Bros. Manufacturing Company, Utica, N. Y.
Greenpoint Metallic Bed Company, Brooklyn, N. Y.
Kny-Scheerer Company, New York.
A. J. Logan & Co., Pittsburg, Pa.
The Udell Works, Indianapolis, Ind.
Union Wire Mattress Company, Chicago, Ill.

1107—FURNITURE, KITCHEN.

Acme Kitchen Furniture Company, Chattanooga, Tenn.
Carman Manufacturing Company, Tacoma, Wash.
Evansville Furniture Company, Evansville, Ind.
Kelly Foundry and Machine Company, Goshen, Ind.
Seattle Mattress and Upholstery Company, Seattle, Wash.
John Van Range Company, Cincinnati, Ohio.

1108—FURNITURE, LIBRARY.

Art Metal Construction Company, Jamestown, N. Y.
The Bailey Jones Company, Jamestown, N. Y.
Berkey & Gay Furniture Company, Grand Rapids, Mich.
Binghamton Chair Company, Binghamton, N. Y.
Chattanooga Furniture Company, Chattanooga, Tenn.
Conrey and Birely Table Company, Shelbyville, Ind.
Feige Desk Company, Saginaw, Mich.
J. S. Ford, Johnson & Co., Chicago, Ill.
The Fremont Furniture Company, Fremont, Ohio.
Globe-Wernicke Company, Cincinnati, Ohio.
Library Bureau, Boston, Mass.
The Macey-Wernicke Company, Ltd., Grand Rapids, Mich.
Maddox Table Company, Jamestown, N. Y.
Morgan Manufacturing Company, Jamestown, N. Y.
Phoenix Furniture Company, Grand Rapids, Mich.
Royal Furniture Company, Grand Rapids, Mich.
Sheldon Novelty Company, Kankakee, Ill.
Skandia Furniture Company, Rockford, Ill.
Stickley & Brandt Chair Company, Binghamton, N. Y.
The Udell Works, Indianapolis, Ind.

1109—FURNITURE, LODGE.

The A. H. Andrews Company, Chicago, Ill.
R. O. Evans & Co., Ownesboro, Ky.
The Henderson-Ames Company, Kalamazoo, Mich.
The Robert Mitchell Furniture Company, Cincinnati, Ohio.
New Jersey School-Church Furniture Company, Trenton, N. J.
Retting Furniture Company, Grand Rapids, Mich.

1110—FURNITURE, OFFICE.

The A. H. Andrews Company, Chicago, Ill.
Art Metal Construction Company, Jamestown, N. Y.
The Bailey Jones Company, Jamestown, N. Y.
Bentley & Gerwig Furniture Company, Parkersburg, W. Va.
Chattanooga Furniture Company, Chattanooga, Tenn.
The Davis Chair Company, Marysville, Ohio.
Derby Desk Company, Boston, Mass.
J. F. Dietz & Co., Cincinnati, Ohio.
Feige Desk Company, Saginaw, Mich.
J. S. Ford, Johnson & Co., Chicago, Ill.
F. X. Ganter, Baltimore, Md.
Globe-Wernicke Company, Cincinnati, Ohio.
Grand Rapids Show Case Company, Grand Rapids, Mich.
Gregory, Mayer & Thom Company, Detroit, Mich.
H. Herrmann, New York.
The Lee Chair Company, Oneida, N. Y.
Library Bureau, Boston, Mass.
The Macey-Wernicke Company, Ltd., Grand Rapids, Mich.
Matthews Brothers Manufacturing Company, Milwaukee, Wis.
Michigan Chair Company, Grand Rapids, Mich.
The Robert Mitchell Furniture Company, Cincinnati, Ohio.
Nelson-Matter Furniture Company, Grand Rapids, Mich.
L. W. Ott Manufacturing Company, Indianapolis, Ind.
The Parkersburg Chair Company, Parkersburg, W. Va.
The Shaw-Walker Company, Muskegon, Mich.
Standard Chair Company, Union City, Pa.
Standard Furniture Company, Herkimer, N. Y.
Stickley & Brandt Chair Company, Binghamton, N. Y.
Stow & Davis Furniture Company, Grand Rapids, Mich.
Utica Cabinet Company, Knoxville, Tenn.
Wabash Cabinet Company, Wabash, Ind.
Webster Manufacturing Company, Superior, Wis.
M. Winter Lumber Company, Sheboygan, Wis.
Yawman & Erbe Manufacturing Company, Rochester, N. Y.

1111—FURNITURE, PARLOR AND FANCY.

William A. Berkey Furniture Company, Grand Rapids, Mich.
Carman Manufacturing Company, Tacoma, Wash.
Chattanooga Furniture Company, Chattanooga, Tenn.
Conrey & Birely Table Company, Shelbyville, Ind.
H. C. Dexter Chair Company, Black River, N. Y.
The Edwards Lumber and Coal Company, Long Branch, N. J.
Emrich Furniture Company, Indianapolis, Ind.
Ferguson Bros. Manufacturing Company, Hoboken, N. J.
Frankfort Chair Company, Frankfort, Ky.
The Fremont Furniture Company, Fremont, Ohio.
Hale Company, New York.
Hale & Kilburn Manufacturing Company, Philadelphia, Pa.
H. Herrmann, New York.
Hodell Furniture Company, Shelbyville, Ind.
Irving & Casson, Boston, Mass.
Jamestown Lounge Company, Jamestown, N. Y.
Langslow-Fowler Company, Rochester, N. Y.
The Lee Chair Company, Oneida, N. Y.
Maddox Table Company, Jamestown, N. Y.
Michigan Chair Company, Grand Rapids, Mich.
Morgan Manufacturing Company, Jamestown, N. Y.
National Novelty Corporation, New York.

1111—FURNITURE, PARLOR AND FANCY—Continued.

New York Dimension Supply Company, New York.
Oriel Cabinet Company, Grand Rapids, Mich.
L. W. Ott Manufacturing Company, Indianapolis, Ind.
Phoenix Chair Company, Sheboygan, Wis.
Phoenix Furniture Company, Grand Rapids, Mich.
Retting Furniture Company, Grand Rapids, Mich.
Seattle Mattress and Upholstery Company, Seattle, Wash.
Sheboygan Chair Company, Sheboygan, Wis.
Sheldon Novelty Company, Kankakee, Ill.
Sikes Chair Company, Buffalo, N. Y.
Skandia Furniture Company, Rockford, Ill.
The Spencer & Barnes Company, Benton Harbor, Mich.
Stickley Brothers Company, Grand Rapids, Mich.
Stickley & Brandt Chair Company, Binghamton, N. Y.
The Stomps-Burkhardt Company, Dayton, Ohio.
William Tonk & Bro., Inc., New York.
The Udell Works, Indianapolis, Ind.
Webster Manufacturing Company, Superior, Wis.

1112—FURNITURE, PRINTERS'.

(See Printers' Supplies.)

1113—FURNITURE, RATTAN.

H. C. Dexter Chair Company, Black River, N. Y.
The Gendron Wheel Company, Toledo, Ohio.
National Novelty Corporation, New York.

1114—FURNITURE, SCHOOL AND CHURCH.

American School Furniture Company, Chicago, Ill.
The A. H. Andrews Company, Chicago, Ill.
Conrey & Birely Table Company, Shelbyville, Ind.
R. O. Evans & Co., Owensboro, Ky.
The Robert Mitchell Furniture Company, Cincinnati, Ohio.
New Jersey School-Church Furniture Company, Trenton, N. J.
Retting Furniture Company, Grand Rapids, Mich.
Sheldon Novelty Company, Kankakee, Ill.

1115—FUR TRIMMINGS.

A. B. Fiedler & Sons, Chicago, Ill.

1116—FURS, HATTERS'.

Jonas & Naumburg, New York.
Old Colony Hat Company, Fall River, Mass.

1117—FURS, RAW.

Richard Young Company, New York.

1118—FUSE, SAFETY BLASTING.

Ensign, Bickford & Co., Simsbury, Conn.
Laflin & Rand Powder Company, New York.

1119—FUSES, ELECTRIC.

Chase-Shawmut Company, Newburyport, Mass.
Fort Wayne Electric Works, Inc., Fort Wayne, Ind.
General Electric Company, Schenectady, N. Y.
Johns-Pratt Company, Hartford, Conn.

1120—GAME BOARDS.

The Embossing Company, Albany, N. Y.
F. X. Ganter, Baltimore, Md.

1120—GAME BOARDS—Continued.

Higgin Manufacturing Company, Newport, Ky.
McLoughlin Brothers, New York.
National Novelty Corporation, New York.
United States Playing Card Company, Cincinnati, Ohio.

1121—GAMES.

Davol Rubber Company, Providence, R. I.
The Embossing Company, Albany, N. Y.
F. X. Ganter, Baltimore, Md.
Higgin Manufacturing Company, Newport, Ky.
McLoughlin Brothers, New York.
National Novelty Corporation, New York.
United States Playing Card Company, Cincinnati, Ohio.

1122—GARNET PAPER.

(See Sand and Flint Paper and Cloth.)

1123—GARTERS.

The C. A. Edgarton Manufacturing Company, Shirley, Mass.
George Frost Company, Boston, Mass.
The Ohio Suspender Company, Mansfield, Ohio.
Pioneer Suspender Company, Philadelphia, Pa.

1124—GAS EXHAUSTERS, ROTARY.

American Foundry and Furnace Company, Bloomington, Ill.
Buffalo Forge Company, Buffalo, N. Y.
The Connersville Blower Company, Connersville, Ind.
Duncan Foundry and Machine Works, Alton, Ill.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Howard & Morse, New York.
Robinson Machine Company, Monongahela, Pa.
Sullivan Machinery Company, Chicago, Ill.
L. J. Wing Manufacturing Company, New York.

1125—GAS FITTERS' SUPPLIES.

(See Plumbers' Supplies, also Burners, Gas and Acetylene.)

1126—GAS HOLDERS.

Baker Iron Works, Los Angeles, Cal.
Bartlett, Hayward & Co., Baltimore, Md.
Kerr Murray Manufacturing Company, Fort Wayne, Ind.
Logan Iron Works, Brooklyn, N. Y.
Oil Well Supply Company, Pittsburg, Pa.
Pyle-National Electric Headlight Company, Chicago, Ill.
Quintard Iron Works Company, New York.
Western Gas Construction Company, Fort Wayne, Ind.
R. D. Wood & Co., Philadelphia, Pa.

1127—GAS LIGHTING, "PINTSCH" SYSTEM.

Safety Car Heating and Lighting Company, New York.

1128—GAS LIGHTS, INCANDESCENT.

Practical Gas Construction Company, North Chicago, Ill.
Welsbach Company, Gloucester, N. J.

1129—GAS PRODUCERS.

Baker Iron Works, Los Angeles, Cal.
The Best Street Light Company, Canton, Ohio.
Broomell, Schmidt & Steacy Company, York, Pa.
Morgan Construction Company, Worcester, Mass.

1129—GAS PRODUCERS—Continued.

The Otto Gas Engine Works, Philadelphia, Pa.
Practical Gas Construction Company, North Chicago, Ill.
Safety Car Heating and Lighting Company, New York.
Western Gas Construction Company, Fort Wayne, Ind.
R. D. Wood & Co., Philadelphia, Pa.

1130—GAS WORKS.

New Orleans Railway Company, New Orleans, La.
Safety Car Heating and Lighting Company, New York.
United Gas Improvement Company, Philadelphia, Pa.
Utah Light and Railway Company, Salt Lake City, Utah.

1131—GASKETS, LEATHER.

Detroit Oak Belting Company, Detroit, Mich.
E. F. Houghton & Co., Philadelphia, Pa.
Page Belting Company, Concord, N. H.

1132—GASKETS, RUBBER.

Boston Belting Company, Boston, Mass.
H. O. Canfield, Bridgeport, Conn.
Empire Rubber Manufacturing Company, Trenton, N. J.
The Eureka Rubber Manufacturing Company, Trenton, N. J.
Glasgow Iron Company, Pottstown, Pa.
B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
Hartford Rubber Works Company, Hartford, Conn.
Home Rubber Company, Trenton, N. J.
Morgan & Wright, Chicago, Ill.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.
Quaker City Rubber Company, Philadelphia, Pa.
Revere Rubber Company, Boston, Mass.
United and Globe Rubber Manufacturing Companies, Trenton, N. J.

1133—GASOLINE.

Crew-Levick Company, Philadelphia, Pa.
Levi Smith, North Clarendon, Pa.

1134—GATES, FARM AND COURT ENTRANCE.

Lamb Wire Fence Company, Adrian, Mich.
The J. L. Mott Iron Works, New York.
Page Woven Wire Fence Company, Adrian, Mich.
The Van Dorn Iron Works Company, Cleveland, Ohio.
Jno. Williams, New York.

1135—GATES, PLATFORM.

Gilbert & Bennett Manufacturing Company, Georgetown, Conn.
James L. Howard & Co., Hartford, Conn.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
National Novelty Corporation, New York.
The Van Dorn Iron Works Company, Cleveland, Ohio.

1136—GAUGES, MEASURING.

Billings & Spencer Company, Hartford, Conn.
Brown & Sharpe Manufacturing Company, Providence, R. I.
Goodell-Pratt Company, Greenfield, Mass.
W. & L. E. Gurley, Inc., Troy, N. Y.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Morse Twist Drill and Machine Company, New Bedford, Mass.
Stanley Rule and Level Company, New Britain, Conn.
L. S. Starrett Company, Athol, Mass.

1137—GAUGES, STEAM AND AIR PRESSURE.

American Steam Gauge and Valve Mfg. Company, Boston, Mass.
The Ashton Valve Company, Boston, Mass.
H. Belfield & Co., Philadelphia, Pa.
Bishop & Babcock Company, Cleveland, Ohio.
The Judson Governor Company, Rochester, N. Y.
The Kelly & Jones Company, New York.
John E. Lonergan & Co., Philadelphia, Pa.
Lunkenheimer Company, Cincinnati, Ohio.
McRae & Roberts Company, Detroit, Mich.
Pittsburgh Valve, Foundry and Construction Company, Pittsburg, Pa.
Power Specialty Company, Detroit, Mich.

1138—GAUGES, TRACK.

W. H. Anderson & Sons, Inc., Detroit, Mich.
W. & L. E. Gurley, Inc., Troy, N. Y.
Union Drop Forge Company, Chicago, Ill.
Verona Tool Works, Pittsburg, Pa.

1139—GAUGES, WATER.

American Steam Gauge and Valve Mfg. Company, Boston, Mass.
The Ashton Valve Company, Boston, Mass.
H. Belfield & Co., Philadelphia, Pa.
Detroit Lubricator Company, Detroit, Mich.
Johnson Service Company, Milwaukee, Wis.
The Kelly & Jones Company, New York.
The Kennedy Valve Manufacturing Company, New York.
John E. Lonergan & Co., Philadelphia, Pa.
Lunkenheimer Company, Cincinnati, Ohio.
McRae & Roberts Company, Detroit, Mich.
Michigan Lubricator Company, Detroit, Mich.
Pittsburgh Valve, Foundry and Construction Company, Pittsburg, Pa.
William Powell Company, Cincinnati, Ohio.

1140—GEAR, FRICTION DRAUGHT.

Westinghouse Air Brake Company, Pittsburg, Pa.

1141—GEARING.

Allis-Chalmers Company, Chicago, Ill.
American Machinery and Export Company, New York.
Baker Manufacturing Company, Evansville, Wis.
Barnard Manufacturing Company, Spokane, Wash.
The A. & F. Brown Company, New York.
Caird & Hawksworth, Helena, Mont.
W. E. Caldwell Company, Louisville, Ky.
Chickasaw Iron Works, Memphis, Tenn.
George V. Cresson Company, Philadelphia, Pa.
The Earle Gear and Machine Company, Philadelphia, Pa.
Farrel Foundry and Machine Company, Ansonia, Conn.
Filer & Stowell Company, Milwaukee, Wis.
Gould & Eberhardt, Newark, N. J.
The I. & E. Greenwald Company, Cincinnati, Ohio.
Hill Clutch Company, Cleveland, Ohio.
Lane Manufacturing Company, Montpelier, Vt.
James Leffel & Co., Springfield, Ohio.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa
Link-Belt Machinery Company, Chicago, Ill.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
Medart Patent Pulley Company, St. Louis, Mo.

1141—GEARING—Continued.

Meese & Gottfried Company, San Francisco, Cal.
The Meisel Manufacturing Company, Port Huron, Mich.
Mesta Machine Company, Pittsburg, Pa.
Munson Bros. Company, Utica, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.
The Platt Iron Works Company, Dayton, Ohio.
Seaman-Sleeth Company, Pittsburg, Pa.
T. Shriver & Co., New York.
Sprout, Waldron & Co., Muncy, Pa.
Standard Gauge Steel Company, Beaver Falls, Pa.
H. N. Strait Manufacturing Company, Kansas City, Kan.
Taylor Iron and Steel Company, High Bridge, N. J.
The Van Dorn & Dutton Company, Cleveland, Ohio.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Willamette Iron and Steel Works, Portland, Ore.
The Wolf Company, Chambersburg, Pa.

1142—GEARS, CARRIAGE.

S. E. Bailey & Co., Lancaster, Pa.
The Herbrand Company, Fremont, Ohio.
H. E. Holmes & Co., San Francisco, Cal.
Milburn Wagon Company, Toledo, Ohio.
Racine-Sattley Company, Springfield, Ill.
Safety Buggy Company, Lancaster, Pa.
Schubert Bros. Gear Company, Oneida, N. Y.

1143—GEARS, CAR MOTOR.

Federal Manufacturing Company, Cleveland, Ohio.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
The Van Dorn & Dutton Company, Cleveland, Ohio.

1144—GEARS, RAW HIDE.

George V. Cresson Company, Philadelphia, Pa.
The Earle Gear and Machine Company, Philadelphia, Pa.

1145—GELATINE.

American Agricultural Chemical Company, New York.
American Glue Company, Boston, Mass.
California Glue Works, San Francisco, Cal.
E. C. Hazard & Co., New York.

1146—GENERATORS, ACETYLENE GAS.

Dayton Manufacturing Company, Dayton, Ohio.
The G. R. Lynch Manufacturing Company, Chattanooga, Tenn.
National Tube Company, Pittsburg, Pa.
John Simmons Company, New York.
Twentieth Century Manufacturing Company, New York.
L. J. Wing Manufacturing Company, New York.

1147—GENERATORS, ALTERNATING AND DIRECT.

(See Dynamos.)

1148—GENERATORS. VAPOR GAS.

(See Gas Producers.)

1149—GENERATORS, WARM AIR.

(See also Furnaces, House Heating.)

Kelsey Heating Company, Syracuse, N. Y.

1150—GERMAN SILVER, SHEET AND WIRE.

Benedict & Burnham Manufacturing Company, Waterbury, Conn.
Bridgeport Brass Company, Bridgeport, Conn.
Coe Brass Manufacturing Company, Torrington, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
The Plume & Atwood Manufacturing Company, New York.
Scovill Manufacturing Company, Waterbury, Conn.
Waterbury Brass Company, Waterbury, Conn.

1151—GIANTS, HYDRAULIC.

Allis-Chalmers Company, Chicago, Ill.
Joshua Hendy Machine Works, San Francisco, Cal.
The Pelton Water Wheel Company, San Francisco, Cal.

1152—GIN.

Freiberg & Workum, Cincinnati, Ohio.
Merchants' Distilling Company, Terre Haute, Ind.

1153—GINGER ALE.

Hygeia Distilled Water Company, New York.

1154—GINS, COTTON.

(See Machinery, Cotton Gin.)

1155—GLASS, ART STAINED.

The California Door Company, San Francisco, Cal.
Penn-American Plate Glass Company, Pittsburg, Pa.
Pittsburg Plate Glass Company, Pittsburg, Pa.

1156—GLASS, BENT.

Penn-American Plate Glass Company, Pittsburg, Pa.
Pittsburg Plate Glass Company, Pittsburg, Pa.

1157—GLASS BLANKS.

Corning Glass Works, Corning, N. Y.

1158—GLASS, COLORED.

Gillinder & Sons, Inc., Philadelphia, Pa.
Illinois-Pacific Glass Company, San Francisco, Cal.
The Jefferson Glass Company, Steubenville, Ohio.
Macbeth-Evans Glass Company, Pittsburg, Pa.
Phoenix Glass Company, Pittsburg, Pa.
T. A. Rodefer, Bellaire, Ohio.
Seneca Glass Company, Morgantown, W. Va.
Swindell Brothers, Baltimore, Md.

1159—GLASS, FLOOR AND SKYLIGHT.

Brox & Ryall, Port Jervis, N. Y.
Penn-American Plate Glass Company, Pittsburg, Pa.
Pittsburg Plate Glass Company, Pittsburg, Pa.

1160—GLASS, GROUND, CHIPPED AND RIBBED.

Johnston Glass Company, Hartford City, Ind.
Pittsburg Plate Glass Company, Pittsburg, Pa.

1161—GLASS, PLATE.

Conroy, Prugh & Co., Allegheny, Pa.
The Edward Ford Plate Glass Company, Rossford, Ohio.
Louisville Silvering and Beveling Company, Louisville, Ky.
Penn-American Plate Glass Company, Pittsburg, Pa.
Pittsburg Plate Glass Company, Pittsburg, Pa.

1162—GLASS PLATE, BEVELED AND POLISHED.

Conroy, Prugh & Co., Allegheny, Pa.
The Edward Ford Plate Glass Company, Rossford, Ohio.
F. X. Ganter, Baltimore, Md.
Hart Mirror Plate Company, Grand Rapids, Mich.
Louisville Silvering and Beveling Company, Louisville, Ky.
Penn-American Plate Glass Company, Pittsburg, Pa.
Pittsburg Plate Glass Company, Pittsburg, Pa.

1163—GLASS SHELVES.

Hart Mirror Plate Company, Grand Rapids, Mich.
Penn-American Plate Glass Company, Pittsburg, Pa.

1164—GLASS, WINDOW.

Cumberland Glass Manufacturing Company, Bridgeton, N. J.
D. O. Cunningham Glass Company, Pittsburg, Pa.
Johnston Glass Company, Hartford City, Ind.

1165—GLASSWARE, BIRD CAGE AND AQUARIUM.

Gleason-Tiebout Glass Company, Brooklyn, N. Y.
The Hemingray Glass Company, Covington, Ky.

1166—GLASSWARE, CUT.

C. Dorflinger & Sons, New York.
The Duncan & Miller Glass Company, Washington, Pa.
The Fostoria Glass Company, Moundsville, W. Va.
Gillinder & Sons, Inc., Philadelphia, Pa.
Gleason-Tiebout Glass Company, Brooklyn, N. Y.
T. G. Hawkes & Co., Corning, N. Y.
A. H. Heisey & Co., Inc., Newark, Ohio.
International Silver Company, Meriden, Conn.
The Jefferson Glass Company, Steubenville, Ohio.
Libbey Glass Company, Toledo, Ohio.
National Glass Company, Pittsburg, Pa.
T. A. Rodefer, Bellaire, Ohio.
Seneca Glass Company, Morgantown, W. Va.
Tarentum Glass Company, Tarentum, Pa.

1167—GLASSWARE, DECORATED.

The Fostoria Glass Company, Moundsville, W. Va.
Gillinder & Sons, Inc., Philadelphia, Pa.
T. G. Hawkes & Co., Corning, N. Y.
A. H. Heisey & Co., Inc., Newark, Ohio.
The Jefferson Glass Company, Steubenville, Ohio.
National Glass Company, Pittsburg, Pa.
Seneca Glass Company, Morgantown, W. Va.
Tarentum Glass Company, Tarentum, Pa.
United States Glass Company, Pittsburg, Pa.

1168—GLASSWARE, DRUGGISTS'.

Ball Brothers Glass Manufacturing Company, Muncie, Ind.
Charles Boldt Glass Company, Cincinnati, Ohio.
Cumberland Glass Manufacturing Company, Bridgeton, N. J.
C. Dorflinger & Sons, New York.
Fairmount Glass Works, Fairmount, Ind.
C. L. Flaccus Glass Company, Pittsburg, Pa.
Hazel-Atlas Glass Company, Wheeling, W. Va.
Illinois Glass Company, Alton, Ill.
Poughkeepsie Glass Works, Poughkeepsie, N. Y.

1168—GLASSWARE, DRUGGISTS'—Continued.

Swindell Brothers, Baltimore, Md.
The Uniontown Flint Glass Company, Uniontown, Pa.
United States Glass Company, Pittsburg, Pa.
Whitall-Tatum Company, New York.

1169—GLASSWARE, TABLE.

Cumberland Glass Company, Cumberland, Md.
Cumberland Glass Manufacturing Company, Bridgeton, N. J.
C. Dorflinger & Sons, New York.
The Duncan & Miller Glass Company, Washington, Pa.
Federal Glass Company, Columbus, Ohio.
The Fostoria Glass Company, Moundsville, W. Va.
T. G. Hawkes & Co., Corning N. Y.
Hazel-Atlas Glass Company, Wheeling, W. Va.
A. H. Heisey & Co., Inc., Newark, Ohio.
The Hemingray Glass Company, Covington, Ky.
The Jefferson Glass Company, Steubenville, Ind.
Libbey Glass Company, Toledo, Ohio.
National Glass Company, Pittsburg, Pa.
Seneca Glass Company, Morgantown, W. Va.
Tarentum Glass Company, Tarentum, Pa.
United States Glass Company, Pittsburg, Pa.

1170—GLOBES, GAS AND ELECTRIC LIGHT.

The Best Street Light Company, Canton, Ohio.
Gill Brothers Company, Steubenville, Ohio.
Gillinder & Sons, Inc., Philadelphia, Pa.
Gleason-Tiebout Glass Company, Brooklyn, N. Y.
The Hart Manufacturing Company, Hartford, Conn.
T. G. Hawkes & Co., Corning, N. Y.
The Lippincott Glass Company, Alexandria, Ind.
Macbeth-Evans Glass Company, Pittsburg, Pa.
National Glass Company, Pittsburg, Pa.
Phoenix Glass Company, Pittsburg, Pa.
Sargent Glass Company, Evansville, Ind.

1171—GLOBES, LANTERN.

Brox & Ryall, Port Jervis, N. Y.
Corning Glass Works, Corning, N. Y.
Gill Brothers Company, Steubenville, Ohio.
The Hemingray Glass Company, Covington, Ky.
Libbey Glass Company, Toledo, Ohio.
Macbeth-Evans Glass Company, Pittsburg, Pa.
Sneath Glass Company, Hartford City, Ind.

1172—GLOVES, LEATHER.

Dempster & Place, Gloversville, N. Y.
Hutchens & Potter, Johnstown, N. Y.
The Morawetz Company, Milwaukee, Wis.

1173—GLOVES, RUBBER.

Davol Rubber Company, Providence, R. I.

1174—GLOVES AND MITTENS, FUR.

The Morawetz Company, Milwaukee, Wis.
Tabor Glove Company, Milwaukee, Wis.

1175—GLOVES AND MITTENS, LEATHER-PALMED.

Tabor Glove Company, Milwaukee, Wis.

1176—GLOVES AND MITTENS, WOOLEN.

Kalamazoo Knitting Company, Milwaukee, Wis.
Julius Kayser & Co., New York.
Max Lowenthal & Brother, Rochester, N. Y.
National Knitting Company, Milwaukee, Wis.

1177—GLOVES AND MITTS, SILK.

Julius Kayser & Co., New York.

1178—GLUCOSE.

(See Sugar, Grape.)

1179—GLUE.

American Agricultural Chemical Company, New York.
American Glue Company, Boston, Mass.
Arabol Manufacturing Company, New York.
Armour & Co., Chicago, Ill.
Baeder, Adamson & Co., Philadelphia, Pa.
California Glue Works, San Francisco, Cal.
Delany & Co., Philadelphia, Pa.
Morris & Company, Chicago, Ill.
Swift and Company, Chicago, Ill.

1180—GLUE POTS AND HEATERS.

The Advance Machinery Company, Toledo, Ohio.
Manning, Maxwell & Moore, New York.

1181—GLYCERINE.

Bass-Hueter Paint Company, San Francisco, Cal.
Grasselli Chemical Company, New York.
Larkin Co., Buffalo, N. Y.
Lautz Brothers & Co., Buffalo, N. Y.
Marx & Rawolle, New York.
Procter & Gamble Company, Cincinnati, Ohio.
E. Schneider & Co., Inc., Chicago, Ill.
The M. Werk Company, Cincinnati, Ohio.
Will & Baumer Company, Syracuse, N. Y.

1182—GO-CARTS.

The Gendron Wheel Company, Toledo, Ohio.
National Novelty Corporation, New York.

1183—GOLD BULLION.

American Smelting and Refining Company, New York.
Balbach Smelting and Refining Company, Newark, N. J.
The Annie Laurie Mining Company, Kimberly, Utah.
Tacoma Smelting Company, Tacoma, Wash.
Union Metal Company, San Francisco, Cal.
United States Reduction and Refining Company, Colorado Springs, Col.
United States Smelting Company, Salt Lake City, Utah.

1184—GOLD FOIL.

Consolidated Dental Manufacturing Company, New York.
John Lucas & Co., Philadelphia, Pa.
S. S. White Dental Manufacturing Company, Philadelphia, Pa.

1185—GOLD MATTE.

The Kendrick Promotion Company, Denver, Col.

1186—GOLF BALLS.

B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.

1187—GOLF CAPS.

Frank P. Heid & Co., Philadelphia, Pa.
John R. Miller & Co., Reading, Pa.

1188—GOLF CLUBS.

(See Clubs, Golf.)

1189—GONGS, BRONZE.

H. Belfield & Co., Philadelphia, Pa.
John H. Graham & Co., New York.
National Novelty Corporation, New York.
Stanley & Patterson, Inc., New York.

1190—GOVERNORS, HYDRAULIC.

The Fisher Governor Company, Marshalltown, Iowa.
Foster Engineering Company, Newark, N. J.
Johnson Service Company, Milwaukee, Wis.
The Pelton Water Wheel Company, San Francisco, Cal.
Pittsburgh Valve, Foundry and Construction Company, Pittsburg, Pa.

1191—GOVERNORS, PUMP.

Baker Manufacturing Company, Evansville, Wis.
The Fisher Governor Company, Marshalltown, Iowa.
Foster Engineering Company, Newark, N. J.
Gardner Governor Company, Quincy, Ill.
Johnson Service Company, Milwaukee, Wis.
The Kelly & Jones Company, New York.
The Mason Regulator Company, Boston, Mass.
The Joseph Schneible Company, New York.
T. Shriver & Co., New York.

1192—GRADERS AND SHELLERS, RICE.

Blymyer Iron Works Company, Cincinnati, Ohio.
Engelberg Huller Company, Syracuse, N. Y.
Huntley Manufacturing Company, Silver Creek, N. Y.

1193—GRADERS, COFFEE.

Blymyer Iron Works Company, Cincinnati, Ohio.
Buffalo Forge Company, Buffalo, N. Y.
Huntley Manufacturing Company, Silver Creek, N. Y.

1194—GRAIN.

(See Cereals.)

1195—GRANULES, DOSIMETRIC.

The G. F. Harvey Company, Saratoga Springs, N. Y.
Parke, Davis & Co., Detroit, Mich.
Frederick Stearns & Co., Detroit, Mich.
William R. Warner & Co., Philadelphia, Pa.

1196—GRAPE JUICE.

The Welch Grape Juice Company, Westfield, N. Y.

1197—GRAPHITE.

Joseph Dixon Crucible Company, Jersey City, N. J.
John Lucas & Co., Philadelphia, Pa.
R. McWilliams, Ltd., New Orleans, La.
Eugene E. Nice, Philadelphia, Pa.
J. W. Paxson Co., Philadelphia, Pa.
R. B. Seidel, Inc., Philadelphia, Pa.

1198—GRATES.

Aldine Grate and Mantel Company, Grand Rapids, Mich.
The Cahill Iron Works, Chattanooga, Tenn.
Chattanooga Implement and Mfg. Company, East Chattanooga, Tenn.
Kelly Foundry and Machine Company, Goshen, Ind.
McClave Brooks Company, Scranton, Pa.
The Ohio Foundry Company, Steubenville, Ohio.
Peck, Stow & Wilcox Company, Southington, Conn.
Phillips & Buttorff Manufacturing Company, Nashville, Tenn.
Pittsburgh Stove and Range Company, Allegheny, Pa.
Price-Evans Foundry Company, Chattanooga, Tenn.
The Stirling Company, Chicago, Ill.

1199—GRATES, GAS.

Aldine Grate and Mantel Company, Grand Rapids, Mich.
The Ohio Foundry Company, Steubenville, Ohio.

1200—GREASE, AXLE.

(See Oil and Grease, Axle.)

1201—GREASES, LUBRICATING.

Joseph Dixon Crucible Company, Jersey City, N. J.
Fiske Brothers Refining Company, New York.
George A. Haws, New York.
Keystone Lubricating Company, Philadelphia, Pa.
R. McWilliams, Limited, New Orleans, La.
William F. Nye, New Bedford, Mass.
Pennsylvania Lubricating Company, Pittsburg, Pa.
J. Stevens Arms and Tool Company, Chicopee Falls, Mass.
Union Petroleum Company, Philadelphia, Pa.

1202—GREENHOUSES.

The A. T. Stearns Lumber Company, Neponset, Boston, Mass.
J. N. Struck & Bro., Inc., Louisville, Ky.

1203—GRIDDLES.

Avery Stamping Company, Cleveland, Ohio.
Bonnet-Nance Stove Company, Chicago Heights, Ill.
Hall & Carpenter, Philadelphia, Pa.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
New York Stamping Company, Brooklyn, N. Y.

1204—GRILLES AND GRATINGS.

A. Buch's Sons Company, Elizabethtown, Pa.
The Champion Iron Company, Kenton, Ohio.
Cheney Bigelow Wire Works, Springfield, Mass.
Grand Rapids Brass Company, Grand Rapids, Mich.
Lamb Wire Fence Company, Adrian, Mich.
A. Lucas & Sons, Peoria, Ill.
James McKinney & Son, Albany, N. Y.
Merritt & Co., Inc., Philadelphia, Pa.
Milliken Brothers, New York.
The J. L. Mott Iron Works, New York.
Sheldon Novelty Company, Kankakee, Ill.
The Standard Company, Chicago, Ill.
Taylor & Dean, Pittsburg, Pa.
W. S. Tyler Company, Cleveland, Ohio.
The Van Dorn Iron Works Company, Cleveland, Ohio.
Jno. Williams, New York.

1205—GRINDERS, MOWER KNIFE AND SICKLE.

Chicago Wheel and Manufacturing Company, Chicago, Ill.
International Harvester Company of America, Chicago, Ill.
Philadelphia Lawn Mower Company, Philadelphia, Pa.
Pike Manufacturing Company, Pike, N. H.

1206—GRINDERS, TOOL.

American Wood Working Machinery Company, New York.
W. F. & John Barnes Company, Rockford, Ill.
H. G. Barr, Worcester, Mass.
Blake & Johnson, Waterbury, Conn.
The Bridgeport Safety Emery Wheel Company, Bridgeport, Conn.
Brown & Sharpe Manufacturing Company, Providence, R. I.
The Carborundum Company, Niagara Falls, N. Y.
Chicago Wheel and Manufacturing Company, Chicago, Ill.
Cincinnati Milling Machine Company, Cincinnati, Ohio.
Jas. Clark, Jr., & Co., Louisville, Ky.
Cleveland Stone Company, Cleveland, Ohio.
Diamond Machine Company, Providence, R. I.
Garvin Machine Company, New York.
Gisholt Machine Company, Madison, Wis.
Gould & Eberhardt, Newark, N. J.
The Ingersoll Milling Machine Company, Rockford, Ill.
Landis Tool Company, Waynesboro, Pa.
Manning, Maxwell & Moore, New York.
Norton Emery Wheel Company, Worcester, Mass.
Philadelphia Lawn Mower Company, Philadelphia, Pa.
Pike Manufacturing Company, Pike, N. H.
Safety Emery Wheel Company, Springfield, Ohio.
William Sellers & Co., Inc., Philadelphia, Pa.
The Seybold Machine Company, Dayton, Ohio.
Standard Tool Company, Cleveland, Ohio.
Stow Manufacturing Company, Binghamton, N. Y.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Whitney Manufacturing Company, Hartford, Conn.
Wilcox Manufacturing Company, Aurora, Ill.
S. A. Woods Machine Company, South Boston, Mass.
Wrightsville Hardware Company, Wrightsville, Pa.

1207—GRINDING MACHINERY, SPECIAL.

The Bridgeport Safety Emery Wheel Company, Bridgeport, Conn.
Jas. Clark, Jr., & Co., Louisville, Ky.
The W. P. Davis Machine Company, Rochester, N. Y.
Farrel Foundry and Machine Company, Ansonia, Conn.
Landis Tool Company, Waynesboro, Pa.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
Manning, Maxwell & Moore, New York.
Norton Emery Wheel Company, Worcester, Mass.
The Standard Optical Company, Geneva, N. Y.
Standard Tool Company, Cleveland, Ohio.
Stow Manufacturing Company, Binghamton, N. Y.
Trump Brothers Machine Company, Wilmington, Del.

1208—GRINDSTONES.

The Abrasive Material Company, Philadelphia, Pa.
The Carborundum Company, Niagara Falls, N. Y.
Chicago Wheel and Manufacturing Company, Chicago, Ill.
Cleveland Stone Company, Cleveland, Ohio.
Pike Manufacturing Company, Pike, N. H.
Wilcox Manufacturing Company, Aurora, Ill.

1209—GUM, BRITISH.

Arabol Manufacturing Company, New York.
The Glucose Sugar Refining Company, Chicago, Ill.

1210—GUM, CHEWING.

George H. Pembroke Company, Rochester, N. Y.

1211—GUMS.

Arabol Manufacturing Company, New York.
Marx & Rawolle, New York.

1212—GUN BUTTS.

(See Butts, Gun.)

1213—GUN BUTT PLATES.

Auburn Button Works, Auburn, N. Y.

1214—GUN CARRIAGES.

Bethlehem Steel Company, South Bethlehem, Pa.
Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, P
The Miami Cycle and Manufacturing Company, Middletown, Ohio.
Midvale Steel Company, Philadelphia, Pa.
The Morgan Engineering Company, Alliance, Ohio.

1215—GUN IMPLEMENTS.

M. Hartley Company, New York.
J. Stevens Arms and Tool Company, Chicopee Falls, Mass.

1216—GUN PARTS.

Midvale Steel Company, Philadelphia, Pa.
T. Shriver & Co., New York.
J. Stevens Arms and Tool Company, Chicopee Falls, Mass.

1217—GUNPOWDER.

The Aetna Powder Company, Chicago, Ill.
Austin Powder Company, Cleveland, Ohio.
California Powder Works, San Francisco, Cal.
Equitable Powder Manufacturing Company, St. Louis, Mo.
Laflin & Rand Powder Company, New York.
The Miami Powder Company, Xenia, Ohio.

1218—GUNS, MACHINE.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn.

1219—GYPSUM.

United States Gypsum Company, Chicago, Ill.

1220—HAIR CLOTH.

(See Cloth, Hair and Fiber.)

1221—HAIR, CURLED.

Armour & Co., Chicago, Ill.
Baeder, Adamson & Co., Philadelphia, Pa.
Delany & Co., Philadelphia, Pa.
P. R. Mitchell Company, Cincinnati, Ohio.

1222—HAIRPINS.

Blake & Johnson, Waterbury, Conn.
De Long Hook and Eye Company, Philadelphia, Pa.
Tilton & Cook, Leominster, Mass.

1223—HAMES, IRON.

Eberhard Manufacturing Company, Cleveland, Ohio.
Elbel Company, Canton, Ohio.
Todd Manufacturing Company, New Albany, Ind.

1224—HAMES, WOOD.

Todd Manufacturing Company, New Albany, Ind.

1225—HAMMERS, DROP.

Acme Machinery Company, Cleveland, Ohio.
Billings & Spencer Company, Hartford, Conn.
Foos Manufacturing Company, Springfield, Ohio.
Manning, Maxwell & Moore, New York.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Williams, White & Co., Moline, Ill.

1226—HAMMERS, ELECTRIC.

Northern Electrical Manufacturing Company, Madison, Wis.

1227—HAMMERS, FARRIERS'.

The Evansville Tool Works, Evansville, Ind.
Heller Brothers Company, Newark, N. J.
Kelley, Maus & Co., Chicago, Ill.
David Maydole Hammer Company, Norwich, N. Y.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Vaughan & Bushnell Manufacturing Company, Chicago, Ill.

1228—HAMMERS, HAND.

Billings & Spencer Company, Hartford, Conn.
The Evansville Tool Works, Evansville, Ind.
Iron City Tool Works, Ltd., Pittsburg, Pa.
Kelley, Maus & Co., Chicago, Ill.
David Maydole Hammer Company, Norwich, N. Y.
National Novelty Corporation, New York.
The Ober Manufacturing Company, Chagrin Falls, Ohio.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Sargent & Co., New York.
Stover Manufacturing Company, Freeport, Ill.
Vaughan & Bushnell Manufacturing Company, Chicago, Ill.
Verona Tool Works, Pittsburg, Pa.
Warwood Tool Company, Wheeling, W. Va.
Wiebusch & Hilger, Ltd., New York.
Williams, White & Co., Moline, Ill.
Wrightsville Hardware Company, Wrightsville, Pa.

1229—HAMMERS, PNEUMATIC.

Manning, Maxwell & Moore, New York.

1230—HAMMERS, POWER.

Acme Machinery Company, Cleveland, Ohio.
Baird Machinery Company, Pittsburg, Pa.
C. C. Bradley & Son, Syracuse, N. Y.
Fairbanks Company, New York.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Manning, Maxwell & Moore, New York.
The Morgan Engineering Company, Alliance, Ohio.
National Machinery Company, Tiffin, Ohio.
William Sellers & Co., Inc., Philadelphia, Pa.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Williams, White & Co., Moline, Ill.

1231—HAMMERS, SLEDGE.

W. H. Anderson & Sons, Inc., Detroit, Mich.
The Evansville Tool Works, Evansville, Ind.
John H. Graham & Co., New York.
Iron City Tool Works, Ltd., Pittsburg, Pa.
The Klein-Logan Company, Pittsburg, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Solid Steel Tool and Forge Company, Pittsburg, Pa.
Vaughan & Bushnell Manufacturing Company, Chicago, Ill.
Warwood Tool Company, Wheeling, W. Va.

1232—HAMMOCKS.

Arawana Mills, Middletown, Conn.
Travers Brothers Company, New York.

1233—HAMS.

Armour & Co., Chicago, Ill.
Beech-Nut Packing Company, Canajoharie, N. Y.
The Cudahy Packing Company, New York.
G. H. Hammond Company, Chicago, Ill.
Libby, McNeill & Libby, Inc., Chicago, Ill.
J. H. Michener & Co., Philadelphia, Pa.
Morris & Company, Chicago, Ill.
St. Louis Dressed Beef and Provision Company, St. Louis, Mo.
T. M. Sinclair & Co., Limited, Cedar Rapids, Iowa.
Swift and Company, Chicago, Ill.

1234—HANDCUFFS.

Tower & Lyon Company, New York.

1235—HANDKERCHIEF CLOTHS.

Berkshire Cotton Manufacturing Company, Adams, Mass.
Manville Company, Providence, R. I.

1236—HANDKERCHIEFS, LACE.

Newark Embroidering Works, Newark, N. J.

1237—HANDKERCHIEFS, LINEN.

Newark Embroidering Works, Newark, N. J.

1238—HANDKERCHIEFS, SILK.

Cheney Brothers, Inc., South Manchester, Conn.
Dexter, Lambert & Co., Paterson, N. J.
Newark Embroidering Works, Newark, N. J.

1239—HANDLES, BRUSH.

The Parkersburg Mill Company, Parkersburg, W. Va.
Piqua Handle and Manufacturing Company, Piqua, Ohio.

1240—HANDLES, CHEST.

Brass Goods Manufacturing Company, Brooklyn, N. Y.
P. & F. Corbin, New Britain, Conn.
National Novelty Corporation, New York.
Piqua Handle and Manufacturing Company, Piqua, Ohio.
Sargent & Co., New York.
Stover Manufacturing Company, Freeport, Ill.
Wrightsville Hardware Company, Wrightsville, Pa.

1241—HANDLES, SAD-IRON.

Bless & Drake, Newark, N. J.
Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.

1241—HANDLES, SAD-IRON—Continued.

The Ober Manufacturing Company, Chagrin Falls, Ohio.
Piqua Handle and Manufacturing Company, Piqua, Ohio.
Wrightsville Hardware Company, Wrightsville, Pa.

1242—HANDLES, SHOE KNIFE.

Piqua Handle and Manufacturing Company, Piqua, Ohio.
The Sewing Machine Supplies Company, Boston, Mass.

1243—HANDLES, TOOL.

E. C. Atkins & Co., Indianapolis, Ind.
George H. Bishop & Co., Lawrenceburg, Ind.
John S. Fray & Co., Bridgeport, Conn.
Hartwell Brothers, Chicago Heights, Ill.
C. E. Jennings & Co., New York.
Kelley, Maus & Co., Chicago, Ill.
National Novelty Corporation, New York.
Nicholson File Company, Providence, R. I.
Piqua Handle and Manufacturing Company, Piqua, Ohio.
Sandusky Tool Company, Sandusky, Ohio.
John Sommer's Son, Newark, N. J.
Stephenson Manufacturing Company, South Bend, Ind.

1244—HANGERS, CABLE.

(See Clips, Electric Cable.)

1245—HANGERS, DOOR.

Chicago Spring Butt Company, Chicago, Ill.
The Chisholm & Moore Manufacturing Company, Cleveland, Ohio.
Coburn Trolley Track Manufacturing Company, Holyoke, Mass.
The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
Griffin Manufacturing Company, Erie, Pa.
F. E. Myers & Bro., Ashland, Ohio.
Sargent & Co., New York.
A. L. Swett Iron Works, Medina, N. Y.
Taylor & Boggis Foundry Company, Cleveland, Ohio.
Wilcox Manufacturing Company, Aurora, Ill.
Wrightsville Hardware Company, Wrightsville, Pa.

1246—HANGERS, EAVES TROUGH AND PIPE.

The Kelly & Jones Company, New York.
Reed Manufacturing Company, Erie, Pa.
John Simmons Company, New York.
Smith & Egge Manufacturing Company, Bridgeport, Conn.

1247—HANGERS, JOIST.

W. J. Clark Company, Salem, Ohio.
Columbian Hardware Company, Cleveland, Ohio.
Merritt & Co., Inc., Philadelphia, Pa.
Michigan Bolt and Nut Works, Detroit, Mich.
The Van Dorn Iron Works Company, Cleveland, Ohio.

1248—HANGERS, SHAFT.

Allis-Chalmers Company, Chicago, Ill.
American Machinery and Export Company, New York.
American Tool and Machine Company, Boston, Mass.
Barnard Manufacturing Company, Spokane, Wash.
Charles Bond, Philadelphia, Pa.
The A. & F. Brown Company, New York.
Caird & Hawksworth, Helena, Mont.
W. E. Caldwell Company, Louisville, Ky.

1248—HANGERS, SHAFT—Continued.

Chain Belt Company, Milwaukee, Wis.
Chickasaw Iron Works, Memphis, Tenn.
George V. Cresson Company, Philadelphia, Pa.
Dodge Manufacturing Company, Mishawaka, Ind.
Filer & Stowell Company, Milwaukee, Wis.
The Flynn & Emrich Company, Baltimore, Md.
Fulton Engine Works, Los Angeles, Cal.
Goldens' Foundry and Machine Company, Columbus, Ga.
The I. & E. Greenwald Company, Cincinnati, Ohio.
Hill Clutch Company, Cleveland, Ohio.
William E. Hill & Co., Kalamazoo, Mich.
Howard Iron Works, Buffalo, N. Y.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Lane Manufacturing Company, Montpelier, Vt.
Lane & Bodley Company, Cincinnati, Ohio.
James Leffel & Co., Springfield, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
Lombard Iron Works and Supply Company, Augusta, Ga.
Manning, Maxwell & Moore, New York.
Medart Patent Pulley Company, St. Louis, Mo.
Meese & Gottfried Company, San Francisco, Cal.
The Meisel Manufacturing Company, Port Huron, Mich.
Minneapolis Steel and Machinery Company, Minneapolis, Minn.
Munson Bros. Company, Utica, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.
The Platt Iron Works Company, Dayton, Ohio.
Richmond City Mill Works, Richmond, Ind.
H. B. Smith Machine Company, Smithville, N. J.
Sprout, Waldron & Co., Muncy, Pa.
Standard Roller Bearing Company, Philadelphia, Pa.
Standard Sewing Machine Company, Cleveland, Ohio.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
H. N. Strait Manufacturing Company, Kansas City, Kan.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Wheland Machine Works, Chattanooga, Tenn.
Willamette Iron and Steel Works, Portland, Ore.
The Wolf Company, Chambersburg, Pa.
T. B. Wood's Sons, Chambersburg, Pa.

1249—HANGINGS, WALL.

Standard Table Oil Cloth Company, New York.
H. B. Wiggin's Sons Company, Bloomfield, N. J.

1250—HARDWARE, BUILDERS'.

Arcade Manufacturing Company, Freeport, Ill.
Wallace Barnes Company, Bristol, Conn.
Brass Goods Manufacturing Company, Brooklyn, N. Y.
Bridgeport Chain Company, Bridgeport, Conn.
Chicago Spring Butt Company, Chicago, Ill.
Coburn Trolley Track Manufacturing Company, Holyoke, Mass.
Columbian Hardware Company, Cleveland, Ohio.
Columbus Bolt Works, Columbus, Ohio.
P. & F. Corbin, New Britain, Conn.
Corbin Cabinet Lock Company, New Britain, Conn.
The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
Dunham, Carrigan & Hayden Company, San Francisco, Cal.

1250—HARDWARE, BUILDERS'—Continued.

Graham Nut Company, Allegheny, Pa.
John H. Graham & Co., New York.
Griffin Manufacturing Company, Erie, Pa.
Higgin Manufacturing Company, Newport, Ky.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Merritt & Co., Inc., Philadelphia, Pa.
Michigan Bolt and Nut Works, Detroit, Mich.
Miller Lock Company, Philadelphia, Pa.
F. E. Myers & Bro., Ashland, Ohio.
National Novelty Corporation, New York.
Pacific Hardware and Steel Company, San Francisco, Cal.
Peck, Stow & Wilcox Company, Southington, Conn.
Price-Evans Foundry Company, Chattanooga, Tenn.
Reading Hardware Company, Reading, Pa.
The J. Roylance Brass Works, San Francisco, Cal.
Russell & Erwin Manufacturing Company, New Britain, Conn.
Sargent & Co., New York.
Smith & Egge Manufacturing Company, Bridgeport, Conn.
Stanley Works, New Britain, Conn.
Stover Manufacturing Company, Freeport, Ill.
A. L. Swett Iron Works, Medina, N. Y.
Taylor & Boggis Foundry Company, Cleveland, Ohio.
Wilcox Manufacturing Company, Aurora, Ill.
Wilcox, Crittenden & Co., Middletown, Conn.
J. B. Wise, Watertown, N. Y.
Wrightsville Hardware Company, Wrightsville, Pa.
Yale & Towne Manufacturing Company, New York.

1251—HARDWARE, CARRIAGE.

S. R. Bailey & Co., Amesbury, Mass.
C. C. Bradley & Son, Syracuse, N. Y.
Chicago Screw Company, Chicago, Ill.
E. D. Clapp Manufacturing Company, Auburn, N.
Cleveland Hardware Company, Cleveland, Ohio.
Columbus Bolt Works, Columbus, Ohio.
Crandal, Stone & Co., Binghamton, N. Y.
Dayton Malleable Iron Company, Dayton, Ohio.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
Eberhard Manufacturing Company, Cleveland, Ohio.
Federal Manufacturing Company, Elyria, Ohio.
The Gendron Wheel Company, Toledo, Ohio.
Graham Nut Company, Allegheny, Pa.
The Herbrand Company, Fremont, Ohio.
Higgin Manufacturing Company, Newport, Ky.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
James L. Howard & Co., Hartford, Conn.
Kelley, Maus & Co., Chicago, Ill.
The Lamson & Sessions Company, Cleveland, Ohio.
Michigan Bolt and Nut Works, Detroit, Mich.
National Lock Washer Company, Newark, N. J.
National Screw and Tack Company, Cleveland, Ohio.
Oliver Iron and Steel Company, Pittsburg, Pa.
Pontiac Axle Company, Pontiac, Mich.
Sargent & Co., New York.
J. H. Sessions & Son, Bristol, Conn.
Solid Steel Tool and Forge Company. Pittsburg, Pa.
Standard Chain Company, Pittsburg, Pa.

1251—HARDWARE, CARRIAGE—Continued.

Staples & Hanford Company, Newburg, N. Y.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Todd Manufacturing Company, New Albany, Ind.
Upson Nut Company, Cleveland, Ohio.
Vehicle and Implement Spring Company, Pontiac, Mich.

1252—HARDWARE, COFFIN AND CASKET.

Crane & Breed Manufacturing Company, Cincinnati, Ohio.
Elgin Silver Plate Company, Elgin, Ill.
International Silver Company, Meriden, Conn.
National Casket Company, New York.
The Northwestern Casket Company, Minneapolis, Minn.
St. Louis Coffin Company, St. Louis, Mo.
Sargent & Co., New York.

1253—HARDWARE, FURNITURE AND UPHOLSTERY.

Wallace Barnes Company, Bristol, Conn.
Brass Goods Manufacturing Company, Brooklyn, N. Y.
Cleveland Wire Spring Company, Cleveland, Ohio.
P. & F. Corbin, New Britain, Conn.
Crandal, Stone & Co., Binghamton, N. Y.
The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
Grand Rapids Brass Company, Grand Rapids, Mich.
Griffin Manufacturing Company, Erie, Pa.
T. B. Laycock Manufacturing Company, Indianapolis, Ind.
Miller Lock Company, Philadelphia, Pa.
Miller Wire Spring Company, Bridgeport, Conn.
The Plume & Atwood Manufacturing Company, New York.
Rome Brass and Copper Company, Rome, N. Y.
Salem Nail Company, New York.
Spencer Wire Company, Worcester, Mass.
Staples & Hanford Company, Newburg, N. Y.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.
Universal Caster and Foundry Company, New York.
J. B. Wise, Watertown, N. Y.
Yale & Towne Manufacturing Company, New York.

1254—HARDWARE, HOUSEHOLD.

(See also Housefurnishing Goods.)

American Cutlery Company, Chicago, Ill.
Goodell-Pratt Company, Greenfield, Mass.

1255—HARDWARE, MARINE.

American Ship Windlass Company, Providence, R. I.
Brass Goods Manufacturing Company, Brooklyn, N. Y.
P. & F. Corbin, New Britain, Conn.
Detroit Shipbuilding Company, Detroit, Mich.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
H. A. J. Helvig, New York.
Thomas Laughlin Company, Portland, Me.
The "Long-Arm" System Company, Cleveland, Ohio.
James McKay & Co., Pittsburg, Pa.
Salem Nail Company, New York.
Standard Chain Company, Pittsburg, Pa.
Torrey Roller Bushing Works, Bath, Me.
Wilcox, Crittenden & Co., Middletown, Conn.

1256—HARDWARE, ORGAN AND PIANO.

Wallace Barnes Company, Bristol, Conn.
Blake & Johnson, Waterbury, Conn.
Cornwall & Patterson Manufacturing Company, Bridgeport, Conn.
Hoggson & Pettis Manufacturing Company, New Haven, Conn.
Spencer Wire Company, Worcester, Mass.
J. B. Wise, Watertown, N. Y.

1257—HARDWARE, SADDLERY.

Binghamton Whip Company, Binghamton, N. Y.
Bridgeport Chain Company, Bridgeport, Conn.
Columbus Bolt Works, Columbus, Ohio.
B. Conlan & Co., Newark, N. J.
Covert Manufacturing Company, West Troy, N. Y.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
Eberhard Manufacturing Company, Cleveland, Ohio.
Elbel Company, Canton, Ohio.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
The Ohio Brass Company, Mansfield, Ohio.
The Plume & Atwood Manufacturing Company, New York.
Sargent & Co., New York.
Standard Chain Company, Pittsburg, Pa.
Standard Rivet Company, Boston, Mass.
Stover Manufacturing Company, Freeport, Ill.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Todd Manufacturing Company, New Albany, Ind.
Traut & Hine Manufacturing Company, New Britain, Conn.
Tubular Rivet and Stud Company, Boston, Mass.
Wrightsville Hardware Company, Wrightsville, Pa.

1258—HARDWARE, STATIONERS'.

(See Stationers' Hardware.)

1259—HARDWARE, TRUNK AND BOX.

Brass Goods Manufacturing Company, Brooklyn, N. Y.
Cary Manufacturing Company, New York.
B. Conlan & Co., Newark, N. J.
Corbin Cabinet Lock Company, New Britain, Conn.
Detroit Screw Works, Detroit, Mich.
R. C. Jenkinson & Co., Newark, N. J.
Kirk-Latty Manufacturing Company, Cleveland, Ohio.
The R. Neumann Hardware Company, Newark, N. J.
J. H. Sessions & Son, Bristol, Conn.
Traut & Hine Manufacturing Company, New Britain, Conn.
Yale & Towne Manufacturing Company, New York.

1260—HARNESS.

Armstrong & Graham, Detroit, Mich.
The Atchison Saddlery Company, Atchison, Kan.
Buffalo Weaving and Belting Company, Buffalo, N. Y.
The Columbus Carriage and Harness Company, Columbus, Ohio.
Elkhart Carriage and Harness Manufacturing Company, Elkhart, Ind.
W. S. Frazier & Co., Aurora, Ill.
Graf, Morsbach & Co., Cincinnati, Ohio.
Marshall-Wells Hardware Company, Duluth, Minn.
Morley Brothers, Saginaw, Mich.
New York Leather Belting Company, New York.
Perkins, Campbell Company, Cincinnati, Ohio.

1260—HARNESS—Continued.

Studebaker Brothers Manufacturing Company, South Bend, Ind.
Todd Manufacturing Company, New Albany, Ind.
Whitney & Sloo Company, Ltd., New Orleans, La.
Alonzo Wygant, Chicago, Ill.

1261—HARROWS.

Adriance, Platt & Co., Poughkeepsie, N. Y.
S. L. Allen & Co., Philadelphia, Pa.
American Harrow Company, Detroit, Mich.
American Seeding Machine Company, Springfield, Ohio.
Bateman Manufacturing Company, Grenloch, N. J.
Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
E. Bement's Sons, Lansing, Mich.
Benicia Iron Works, Benicia, Cal.
David Bradley Manufacturing Company, Bradley, Ill.
Brown Manufacturing Company, Zanesville, Ohio.
Buffalo Pitts Company, Buffalo, N. Y.
Collins Plow Company, Quincy, Ill.
Deere & Co., Moline, Ill.
Deere & Mansur Company, Moline, Ill.
Deere & Webber Company, Minneapolis, Minn.
H. P. Deuscher Company, Hamilton, Ohio.
Emerson Manufacturing Company, Rockford, Ill.
The Empire Plow Company, Cleveland, Ohio.
A. B. Farquhar & Co., New York.
Gale Manufacturing Company, Albion, Mich.
Hapgood Plow Company, Alton, Ill.
Hench, Dromgold & Co., York, Pa.
International Harvester Company of America, Chicago, Ill.
Keystone Farm Machine Company, York, Pa.
Roderick Lean Manufacturing Company, Mansfield, Ohio.
Long & Allstatter Company, Hamilton, Ohio.
Moline Plow Company, Moline, Ill.
The Ohio Cultivator Company, Bellevue, Ohio.
Racine-Sattley Company, Springfield, Ill.
Rock Island Plow Company, Rock Island, Ill.
South Bend Chilled Plow Company, South Bend, Ind.
Syracuse Chilled Plow Company, Syracuse, N. Y.
J. Thompson & Sons Manufacturing Company, Beloit, Wis.
Wiard Plow Company, Batavia, N. Y.

1262—HARVESTERS, BEAN.

Wiard Plow Company, Batavia, N. Y.

1263—HARVESTERS, CORN (MAIZE).

Adriance, Platt & Co., Poughkeepsie, N. Y.
Foos Manufacturing Company, Springfield, Ohio.
International Harvester Company of America, Chicago, Ill.

1264—HARVESTERS, GRAIN.

Adriance, Platt & Co., Poughkeepsie, N. Y.
The Holt Manufacturing Company, Stockton, Cal.
International Harvester Company of America, Chicago, Ill.

1265—HATCHETS.

Collins & Co., New York.
The Evansville Tool Works, Evansville, Ind.
National Novelty Corporation, New York.
The Ober Manufacturing Company, Chagrin Falls, Ohio.

1265—HATCHETS—Continued.

Fayette R. Plumb, Inc., Philadelphia, Pa.
Sargent & Co., New York.
Stover Manufacturing Company, Freeport, Ill.
Wiebusch & Hilger, Ltd., New York.
Wrightsville Hardware Company, Wrightsville, Pa.

1266—HATS, CLOTH.

Frank P. Heid & Co., Philadelphia, Pa.
John R. Miller & Co., Reading, Pa.
Pioneer Hat Works, Wabash, Ind.

1267—HATS, FELT.

G. W. Alexander & Co., Reading, Pa.
Ayer, Houston & Co., Portland, Me.
Hawes, Von Gal Company, Inc., Danbury, Conn.
D. E. Loewe & Co., Danbury, Conn.
C. H. Merritt & Son, Danbury, Conn.
Old Colony Hat Company, Fall River, Mass.
Pioneer Hat Works, Wabash, Ind.
Frank Schoble & Co., Philadelphia, Pa.
The John B. Stetson Company, Philadelphia, Pa.
W. B. Thom & Co., Haverhill, Mass.
Waring Hat Manufacturing Company, Yonkers, N. Y.

1268—HATS, STRAW.

William Carroll & Co., New York.
Townsend Grace Company, Baltimore, Md.

1269—HATS, WATERPROOF (OILED).

A. J. Tower Company, Boston, Mass.

1270—HATS, WOMEN'S.

Townsend Grace Company, Baltimore, Md.

1271—HATS, WOOL.

John R. Miller & Co., Reading, Pa.
Waring Hat Manufacturing Company, Yonkers, N. Y.

1272—HAY.

Miner-Hillard Milling Company, Wilkes-Barre, Pa.

1273—HAY CARRIERS.

Benicia Iron Works, Benicia, Cal.
F. E. Myers & Bro., Ashland, Ohio.
Frank C. Patten Company, Sycamore, Ill.
Syracuse Chilled Plow Company, Syracuse, N. Y.

1274—HAY LOADERS.

Benicia Iron Works, Benicia, Cal.
J. I. Case Threshing Machine Company, Racine, Wis.
Deere & Mansur Company, Moline, Ill.
Parsons Band Cutter and Self-Feeder Company, Newton, Iowa.
Frank C. Patten Company, Sycamore, Ill.
Rock Island Plow Company, Rock Island, Ill.
Sandwich Manufacturing Company, Sandwich, Ill.

1275—HEAD PROTECTORS.

Vajen-Bader Company, Richmond, Ind.

1276—HEADERS, GRAIN.

Huntley Manufacturing Company, Silver Creek, N. Y.
International Harvester Company of America, Chicago, Ill.
Iowa Farming Tool Company, Fort Madison, Iowa.

1277—HEADINGS AND STAVES.

(See Staves.)

1278—HEADLIGHTS, LOCOMOTIVE AND STREET CAR.

Adams & Westlake Company, Chicago, Ill.
Crouse-Hinds Company, Syracuse, N. Y.
Dayton Manufacturing Company, Dayton, Ohio.
R. E. Dietz Company, New York.
C. T. Ham Manufacturing Company, Rochester, N. Y.
Pyle-National Electric Headlight Company, Chicago, Ill.
Railway Appliances Company, Chicago, Ill.
St. Louis Car Company, St. Louis, Mo.
Sneath Glass Company, Hartford City, Ind.
United States Headlight Company, Buffalo, N. Y.

1279—HEADS, CUTTER.

Goodell-Pratt Company, Greenfield, Mass.
The Ingersoll Milling Machine Company, Rockford, Ill.
Samuel J. Shimer & Sons, Milton, Pa.
The Standard Tool Company, Cleveland, Ohio.

1230—HEALTH FOODS.

H-O (Hornby's Oatmeal) Company, Buffalo, N. Y.
Horlick's Food Company, Racine, Wis.
Malta-Vita Pure Food Company, Battle Creek, Mich.
Postum Cereal Company, Ltd., Battle Creek, Mich.

1281—HEARSES.

Crane & Breed Manufacturing Company, Cincinnati, Ohio.
James Cunningham Son & Co., Rochester, N. Y.
The Northwestern Casket Company, Minneapolis, Minn.
St. Louis Coffin Company, St. Louis, Mo.

1282—HEATERS, ACETYLENE.

The G. R. Lynch Manufacturing Company, Chattanooga, Tenn.

1283—HEATERS, ELECTRIC.

Edward Miller & Co., Meriden, Conn.
The Plume & Atwood Manufacturing Company, New York.

1284—HEATERS, FEED-WATER.

American Radiator Company, Chicago, Ill.
Bates Machine Company, Joliet, Ill.
The Brownell Company, Dayton, Ohio.
Erie City Iron Works, Erie, Pa.
Fuller & Warren Company, Troy, N. Y.
Fulton Engine Works, Los Angeles, Cal.
Harrison Safety Boiler Works, Philadelphia, Pa.
Kelly Foundry and Machine Company, Goshen, Ind.
National Pipe Bending Company, New Haven, Conn.
The Platt Iron Works Company, Dayton, Ohio.
Stewart Heater Company, Buffalo, N. Y.
Warren Webster & Co., Camden, N. J.

1284—HEATERS, FEED-WATER—Continued.

George D. Whitcomb Company, Chicago, Ill.
Whitlock Coil Pipe Company, Hartford, Conn.
Wickes Brothers, Saginaw, Mich.
L. J. Wing Manufacturing Company, New York.

1285—HEATERS, FIRE-PLACE.

Aldine Grate and Mantel Company, Grand Rapids, Mich.
Bonnet-Nance Stove Company, Chicago Heights, Ill.
Buckwalter Stove Company, Royersford, Pa.
Continental Stove Company, Richmond, Va.
Abram Cox Stove Company, Philadelphia, Pa.
Favorite Stove and Range Company, Piqua, Ohio.
Floyd, Wells & Co., Royersford, Pa.
Germer Stove Company, Erie, Pa.
Kalamazoo Stove Company, Kalamazoo, Mich.
The J. L. Mott Iron Works, New York.
The Ohio Foundry Company, Steubenville, Ohio.
The Portsmouth Stove and Range Company, Portsmouth, Ohio.
Smith & Anthony Company, Boston, Mass.
Toledo Stove and Range Company, Toledo, Ohio.

1286—HEATERS, GAS.

American Stove Company of N. J., St. Louis, Mo.
Continental Stove Company, Richmond, Va.
Wm. M. Crane Company, New York.
Favorite Stove and Range Company, Piqua, Ohio.
The Griswold Manufacturing Company, Erie, Pa.
Michigan Stove Company, Detroit, Mich.
Edward Miller & Co., Meriden, Conn.
The Ohio Foundry Company, Steubenville, Ohio.
The Plume & Atwood Manufacturing Company, New York.
The Portsmouth Stove and Range Company, Portsmouth, Ohio.
Reineke, Wilson Company, Pittsburg, Pa.
Toledo Stove and Range Company, Toledo, Ohio.
The Union Stove Works, New York.

1287—HEATERS, HOT WATER AND STEAM.

American Foundry and Furnace Company, Bloomington, Ill.
American Radiator Company, Chicago, Ill.
Bartlett, Hayward & Co., Baltimore, Md.
Abram Cox Stove Company, Philadelphia, Pa.
The Fuller-Warren Company, Milwaukee, Wis.
Fulton Engine Works, Los Angeles, Cal.
Illinois Malleable Iron Company, Chicago, Ill.
A. J. Lindemann & Hoverson Company, Milwaukee, Wis.
Jos. McWilliams & Co., Louisville, Ky.
The J. L. Mott Iron Works, New York.
National Pipe Bending Company, New Haven, Conn.
New York Central Iron Works Company, Geneva, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
Safety Car Heating and Lighting Company, New York.
Isaac A. Sheppard & Co., Philadelphia, Pa.
The H. B. Smith Company, Westfield, Mass.
Smith & Anthony Company, Boston, Mass.
Southard Robertson Company, New York.
Stewart Heater Company, Buffalo, N. Y.

1287—HEATERS, HOT WATER AND STEAM—Continued.

United States Heater Company, Detroit, Mich.
Walworth Manufacturing Company, Boston, Mass.
Whitlock Coil Pipe Company, Hartford, Conn.
L. J. Wing Manufacturing Company, New York.

1288—HEATERS, OIL.

(See Stoves, Oil.)

1289—HEATERS, SAD-IRON.

Metal Stamping Company, Jackson, Mich.
Edward Miller & Co., Meriden, Conn.

1290—HEATERS, WATER.

American Radiator Company, Chicago, Ill.
Continental Stove Company, Richmond, Va.
Fuller & Warren Company, Troy, N. Y.
J. L. Mott Iron Works, New York.
Whitlock Coil Pipe Company, Hartford, Conn.

1291—HEATING AND VENTILATING APPARATUS, STEAM.

American Blower Company, Detroit, Mich.
American Foundry and Furnace Company, Bloomington, Ill.
American Radiator Company, Chicago, Ill.
Bartlett Hayward & Co., Baltimore, Md.
H. Belfield & Co., Philadelphia, Pa.
Buffalo Forge Company, Buffalo, N. Y.
Abram Cox Stove Company, Philadelphia, Pa.
The Fuller-Warren Company, Milwaukee, Wis.
Fulton Engine Works, Los Angeles, Cal.
Jos. McWilliams & Co., Louisville, Ky.
The J. L. Mott Iron Works, New York.
National Pipe Bending Company, New Haven, Conn.
New York Central Iron Works Company, Geneva, N. Y.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
Isaac A. Sheppard & Co., Philadelphia, Pa.
The H. B. Smith Company, Westfield, Mass.
Smith & Anthony Company, Boston, Mass.
Southard Robertson Company, New York.
Stewart Heater Company, Buffalo, N. Y.
B. F. Sturtevant Company, Hyde Park, Mass.
United States Heater Company, Detroit, Mich.
Vulcan Iron Works, Wilkes-Barre, Pa.
Walworth Manufacturing Company, Boston, Mass.
Warren Webster & Co., Camden, N. J.
L. J. Wing Manufacturing Company, New York.

1292—HEATING APPARATUS, CAR.

McGuire-Cummings Manufacturing Company, Chicago, Ill.
Safety Car Heating and Lighting Company, New York.

1293—HEATING APPARATUS, CARRIAGE.

Kelly Foundry and Machine Company, Goshen, Ind.

1294—HEATING APPARATUS, WARM AIR.

(See Furnaces, House Heating.)

1295—HEELS, RUBBER.

B. F. Goodrich Company, Akron, Ohio.
Grieb Rubber Company, Philadelphia, Pa.
Morgan & Wright, Chicago, Ill.

1296—HINGES AND BUTTS.

Brass Goods Manufacturing Company, Brooklyn, N. Y.
Cary Manufacturing Company, New York.
Columbian Hardware Company, Cleveland, Ohio.
P. & F. Corbin, New Britain, Conn.
John H. Graham & Co., New York.
Grand Rapids Brass Company, Grand Rapids, Mich.
Griffin Manufacturing Company, Erie, Pa.
R. C. Jenkinson & Co., Newark, N. J.
National Novelty Corporation, New York.
The Plume & Atwood Manufacturing Company, New York.
Russell & Erwin Manufacturing Company, New Britain, Conn.
Sargent & Co., New York.
J. H. Sessions & Son, Bristol, Conn.
Stanley Works, New Britain, Conn.
Stover Manufacturing Company, Freeport, Ill.
J. B. Wise, Watertown, N. Y.
Wrightsville Hardware Company, Wrightsville, Pa.

1297—HINGES, SPRING.

Arçade Manufacturing Company, Freeport, Ill.
Chicago Spring Butt Company, Chicago, Ill.
Columbian Hardware Company, Cleveland, Ohio.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Russell & Erwin Manufacturing Company, New Britain, Conn.
Sargent & Co., New York.
The Stover Manufacturing Company, Freeport, Ill.

1298—HIVES, BEE.

The A. I. Root Company, Medina, Ohio.

1299—HOES.

W. H. Anderson & Sons, Inc., Detroit, Mich.
Collins & Co., New York.
The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
Iowa Farming Tool Company, Fort Madison, Iowa.
Iron City Tool Works, Ltd., Pittsburg, Pa.
F. E. Kohler & Co., Canton, Ohio.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Sandusky Tool Company, Sandusky, Ohio.
Warwood Tool Company, Wheeling, W. Va.

1300—HOES, HORSE.

S. L. Allen & Co., Philadelphia, Pa.
Bateman Manufacturing Company, Grenloch, N. J.
Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Iron City Tool Works, Ltd., Pittsburg, Pa.

1301—HOISTS, BLAST FURNACE.

Brown Hoisting Machinery Company, Cleveland, Ohio.
Macbeth Iron Company, Cleveland, Ohio.
Mesta Machine Company, Pittsburg, Pa.
Otis Elevator Company, New York.
Pennsylvania Engineering Works, New Castle, Pa.

1302—HOISTS, CHAIN.

John B. Adt, Baltimore, Md.
American Hoist and Derrick Company, St. Paul, Minn.
American Ship Windlass Company, Providence, R. I.
Baird Machinery Company, Pittsburg, Pa.

1302—HOISTS, CHAIN—Continued.

Boston and Lockport Block Company, Boston, Mass.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Buhl Malleable Company, Detroit, Mich.
Cahill & Hall Elevator Company, San Francisco, Cal.
Thomas Carlin's Sons Company, Allegheny, Pa.
Chase Machine Company, Cleveland, Ohio.
The Chisholm & Moore Manufacturing Company, Cleveland, Ohio.
Contractors' Plant Manufacturing Company, Buffalo, N. Y.
Detroit Shipbuilding Company, Detroit, Mich.
Fairbanks, Morse & Co., Chicago, Ill.
Filer & Stowell Company, Milwaukee, Wis.
Fulton Engine Works, Los Angeles, Cal.
Hardie-Tynes Manufacturing Company, Birmingham, Ala.
Edwin Harrington, Son & Co., Inc., Philadelphia, Pa.
The Hayward Company, New York.
Heyl & Patterson, Pittsburg, Pa.
Lambert Hoisting Engine Company, Newark, N. J.
Lane & Bodley Company, Cincinnati, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
The J. Geo. Leyner Engineering Works Company, Denver, Col.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
James McKay & Co., Pittsburg, Pa.
McMyler Manufacturing Company, Cleveland, Ohio.
Marshutz & Cantrell, San Francisco, Cal.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa
August Mietz, New York.
National Iron Company, West Duluth, Minn.
Nordyke & Marmon Company, Indianapolis, Ind.
Wm. J. Oliver Manufacturing Company, Knoxville, Tenn.
William Sellers & Co., Inc., Philadelphia, Pa.
Silver Manufacturing Company, Salem, Ohio.
Sullivan Machinery Company, Chicago, Ill.
The Vulcan Iron Works, Seattle, Wash.
Vulcan Iron Works, Wilkes-Barre, Pa.
Willamette Iron and Steel Works, Portland, Ore.
The Wolf Company, Chambersburg, Pa.
Yale & Towne Manufacturing Company, New York.

1303—HOISTS, COMPRESSED AIR.

Brown Hoisting Machinery Company, Cleveland, Ohio.
The J. D. Connell Iron Works, New Orleans, La.
Curtis & Co. Manufacturing Company, St. Louis, Mo.
Fairbanks, Morse & Co., Chicago, Ill.
Hardie-Tynes Manufacturing Company, Birmingham, Ala.
Joshua Hendy Machine Works, San Francisco, Cal.
Lane & Bodley Company, Cincinnati, Ohio.
The J. Geo. Leyner Engineering Works Company, Denver, Col.
Manning, Maxwell & Moore, New York.
August Mietz, New York.
Northern Engineering Works, Detroit, Mich.
Rand Drill Company, New York.
Sullivan Machinery Company, Chicago, Ill.
Whiting Foundry Equipment Company, Harvey, Ill.

1304—HOISTS, ELECTRIC.

American Hoist and Derrick Company, St. Paul, Minn.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Cahill & Hall Elevator Company, San Francisco, Cal.

1304—HOISTS, ELECTRIC—Continued.

The Denver Engineering Works Company, Denver, Col.
The Hendrie & Bolthoff Manufacturing and Supply Co., Denver, Col.
Holtzer-Cabot Electric Company, Brookline, Mass.
Howard Iron Works, Buffalo, N. Y.
Kaestner & Co., Inc., Chicago, Ill.
Lambert Hoisting Engine Company, Newark, N. J.
Lidgerwood Manufacturing Company, New York.
Manning, Maxwell & Moore, New York.
The Morgan Engineering Company, Alliance, Ohio.
Morgan-Gardner Electric Company, Chicago, Ill.
Northern Engineering Works, Detroit, Mich.
Otis Elevator Company, New York.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
A. B. See Electric Elevator Company, New York.
T. Shriver & Co., New York.
Stokes & Parrish Elevator Company, Philadelphia, Pa.
Triumph Electric Company, Cincinnati, Ohio.
Washington Iron Works Company, Seattle, Wash.
Yale & Towne Manufacturing Company, New York.

1305—HOISTS, HAND.

American Hoist and Derrick Company, St. Paul, Minn.
American Ship Windlass Company, Providence, R. I.
Brecht B. S. Co., St. Louis, Mo.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Cahill & Hall Elevator Company, San Francisco, Cal.
Contractors' Plant Manufacturing Company, Buffalo, N. Y.
Detroit Shipbuilding Company, Detroit, Mich.
Howard Iron Works, Buffalo, N. Y.
Wm. J. Oliver Manufacturing Company, Knoxville, Tenn.
T. Shriver & Co., New York.

1306—HOISTS, MINING.

Allis-Chalmers Company, Chicago, Ill.
A. F. Bartlett & Co., Saginaw, Mich.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Buhl Malleable Company, Detroit, Mich.
Caird & Hawksworth, Helena, Mont.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
The Denver Engineering Works Company, Denver, Col.
Duncan Foundry and Machine Works, Alton, Ill.
Eagle Foundry and Machine Company, Allegheny, Pa.
Eagle Iron Works, Des Moines, Iowa.
Fairbanks, Morse & Co., Chicago, Ill.
Fulton Engine Works, Los Angeles, Cal.
Great Lakes Engineering Works, Detroit, Mich.
The Griffith & Wedge Company, Zanesville, Ohio.
Hardie-Tynes Manufacturing Company, Birmingham, Ala.
The Hayward Company, New York.
The Hendrie & Bolthoff Manufacturing and Supply Company, Denver, Col.
Joshua Hendy Machine Works, San Francisco, Cal.
Keystone Driller Company, Beaver Falls, Pa.
Lambert Hoisting Engine Company, Newark, N. J.
A. Leschen & Sons Rope Company, St. Louis, Mo.
The J. Geo. Leyner Engineering Works Company, Denver, Col.
Lidgerwood Manufacturing Company, New York.
Marshutz & Cantrell, San Francisco, Cal.
The Mine and Smelter Supply Company, Denver, Col.
Morgan-Gardner Electric Company, Chicago, Ill.

to manufacturers whose names are given in this book.

1306—HOISTS, MINING—Continued.

National Iron Company, West Duluth, Minn.
Otis Elevator Company, New York.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Rand Drill Company, New York.
Robins Conveying Belt Company, New York.
Robinson Machine Company, Monongahela, Pa.
Sullivan Machinery Company, Chicago, Ill.
Union Iron Works, Spokane, Wash.
The Vulcan Iron Works, Seattle, Wash.
Vulcan Iron Works, Wilkes-Barre, Pa.

1307—HOISTS, STEAM WINCH.

(See Winches and Capstans.)

1308—HOLDERS, DICTIONARY.

Josiah Anstice & Co., Rochester, N. Y.

1309—HOLDERS AND CUTTERS, ROLL PAPER.

(See Paper Holders and Cutters, Roll.)

1310—HOLLANDS, WINDOW.

Joseph Bancroft & Sons Company, Wilmington, Del.
Charles W. Breneman & Co., Cincinnati, Ohio.
Interlaken Mills, Providence, R. I.
Monaghan Mills, Greenville, S. C.
The Western Shade Cloth Company, Chicago, Ill.

1311—HOLLOW-WARE, CAST IRON.

Anchor Stove and Range Company, Inc., Louisville, Ky.
Bonnet-Nance Stove Company, Chicago Heights, Ill.
A. Buch's Sons Company, Elizabethtown, Pa.
Favorite Stove and Range Company, Piqua, Ohio.
The Griswold Manufacturing Company, Erie, Pa.
Hall & Carpenter, Philadelphia, Pa.
National Novelty Corporation, New York.
Phillips & Buttorff Manufacturing Company, Nashville, Tenn.
Smith & Anthony Company, Boston, Mass.
John Van Range Company, Cincinnati, Ohio.
The Jacob J. Vollrath Manufacturing Company, Sheboygan, Wis.

1312—HOLLOW-WARE, COPPER.

The Advance Machinery Company, Toledo, Ohio.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Hoffman-Ahlers Company, Inc., Cincinnati, Ohio.
Holbrook, Merrill & Stetson, San Francisco, Cal.
National Enameling and Stamping Company, New York.
New York Stamping Company, Brooklyn, N. Y.
Rochester Stamping Company, Rochester, N. Y.
Smith & Anthony Company, Boston, Mass.
John Trageser Steam Copper Works, New York.
John Van Range Company, Cincinnati, Ohio.
William Vogel & Brothers, Brooklyn, N. Y.

1313—HOLLOW-WARE, ENAMELED.

Anchor Stove and Range Company, Inc., Louisville, Ky.
Cleveland Stamping and Tool Company, Cleveland, Ohio.
Columbian Enameling and Stamping Company, Terre Haute, Ind.
Geuder & Paeschke Manufacturing Company, Milwaukee, Wis.

1313—HOLLOW-WARE, ENAMELED—Continued.

Holbrook, Merrill & Stetson, San Francisco, Cal.
Lalance & Grosjean Manufacturing Company, New York.
National Enameling and Stamping Company, New York.
John Van Range Company, Cincinnati, Ohio.

1314—HOLLOW-WARE, NICKEL PLATED.

Hall & Carpenter, Philadelphia, Pa.
Lalance & Grosjean Manufacturing Company, New York.
National Enameling and Stamping Company, New York.

1315—HOLLOW-WARE, SHEET IRON.

Anchor Stove and Range Company, Inc., Louisville, Ky.
Geuder & Paeschke Manufacturing Company, Milwaukee, Wis.
Hall & Carpenter, Philadelphia, Pa.
H. A. J. Helvig, New York.
Holbrook, Merrill & Stetson, San Francisco, Cal.
F. H. Lawson Company, Cincinnati, Ohio.
A. J. Lindemann & Hoverson Company, Milwaukee, Wis.
National Enameling and Stamping Company, New York.
National Novelty Corporation, New York.
Phillips & Buttorff Manufacturing Company, Nashville, Tenn.
Smith & Anthony Company, Boston, Mass.
William Vogel & Brothers, Brooklyn, N. Y.

1316—HOLLOW-WARE, SILVER.

(See Silverware, Sterling.)

1317—HOLLOW-WARE, SILVER PLATED.

M. S. Benedict Manufacturing Company, East Syracuse, N. Y.
Gorham Manufacturing Company, New York.
International Silver Company, Meriden, Conn.
Reed & Barton, Taunton, Mass.
Rockford Silver Plate Company, Rockford, Ill.
Whiting Manufacturing Company, New York.
Woodman-Cook Company, Portland, Me.

1318—HOLLOW-WARE, STEEL.

Avery Stamping Company, Cleveland, Ohio.
Columbian Enameling and Stamping Company, Terre Haute, Ind.
Geuder & Paeschke Manufacturing Company, Milwaukee, Wis.
John H. Graham & Co., New York.
Holbrook, Merrill & Stetson, San Francisco, Cal.
F. H. Lawson Company, Cincinnati, Ohio.
A. J. Lindemann & Hoverson, Milwaukee, Wis.
National Enameling and Stamping Company, New York.
New York Stamping Company, Brooklyn, N. Y.
Rochester Stamping Company, Rochester, N. Y.
John Van Range Company, Cincinnati, Ohio.
William Vogel & Brothers, Brooklyn, N. Y.
The Jacob J. Vollrath Manufacturing Company, Sheboygan, Wis.

1319—HOLLOW-WARE, TIN.

(See Tinware.)

1320—HOMESPUNS, LINEN.

Boott Cotton Mills, Boston, Mass.

1321—HOMINY.

American Hominy Company, Indianapolis, Ind.
Bloomington Canning Company, Bloomington, Ill.

1321—HOMINY—Continued.

H-O (Hornby's Oatmeal) Company, Buffalo, N. Y.
E. C. Hazard & Co., New York.
Francis H. Leggett & Co., New York.
Miner-Hillard Milling Company, Wilkes-Barre, Pa.
Yates & Donelson Company, Memphis, Tenn.

1322—HONES.

The Abrasive Material Company, Philadelphia, Pa.
The Carborundum Company, Niagara Falls, N. Y.
Chicago Wheel and Manufacturing Company, Chicago, Ill.
Pike Manufacturing Company, Pike, N. H.

1323—HONEY.

The American Preserve Company, Philadelphia, Pa.
Francis H. Leggett & Co., New York.
The A. I. Root Company, Medina, Ohio.

1324—HONEY BOXES, SECTION AND FRAME.

The A. I. Root Company, Medina, Ohio.

1325—HOOKS AND EYES.

De Long Hook and Eye Company, Philadelphia, Pa.
Sargent & Co., New York.

1326—HOOKS, BELTING.

Jewell Belting Company, Hartford, Conn.
Page Belting Company, Concord, N. H.
The Sewing Machine Supplies Company, Boston, Mass.
The Standard Rivet Company, Boston, Mass.

1327—HOOKS, BUSH.

Clyde Iron Works, Duluth, Minn.
Collins & Co., New York.
Iowa Farming Tool Company, Fort Madison, Iowa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Wiebusch & Hilger, Ltd., New York.

1328—HOOKS, HAT AND COAT.

Brass Goods Manufacturing Company, Brooklyn, N. Y.
Cleveland Wire Spring Company, Cleveland, Ohio.
Columbian Hardware Company, Cleveland, Ohio.
Grand Rapids Brass Company, Grand Rapids, Mich.
National Novelty Corporation, New York.
The Plume & Atwood Manufacturing Company, New York.
Sargent & Co., New York.
Spencer Wire Company, Worcester, Mass.
Wrightsville Hardware Company, Wrightsville, Pa.

1329—HOOKS, SHOE LACING.

Tubular Rivet and Stud Company, Boston, Mass.

1330—HOOPS, IRON AND STEEL.

American Tube and Stamping Company, Bridgeport, Conn.
Carnegie Steel Company, Pittsburg, Pa.
Cary Manufacturing Company, New York.
Illinois Steel Company, Chicago, Ill.
Lockhart Iron and Steel Company, Pittsburg, Pa.
Sharon Steel Hoop Company, Sharon, Pa.
Tennessee Coal, Iron and Railroad Company, New York.

1331—HOOPS, WOODEN.

(See Wood, Bent.)

1332—HOPPERS.

(See Ironwork, Plate and Sheet, also Machinery, Coal and Ore Handling.)

1333—HOPS.

H. W. Rickel & Co., Detroit, Mich.

1334—HORSE COLLAR PADS.

(See also Pads, Harness.)

American Pad and Textile Company, Greenfield, Ohio.

1335—HORSE COLLARS.

(See Collars, Horse.)

1336—HORSE-POWERS.

Advance Thresher Company, Battle Creek, Mich.
American Ship Windlass Company, Providence, R. I.
Aultman & Taylor Machinery Company, Mansfield, Ohio.
Belle City Manufacturing Company, Racine Junction, Wis.
Benicia Iron Works, Benicia, Cal.
Blymyer Iron Works Company, Cincinnati, Ohio.
Bodley Wagon Company, Memphis, Tenn.
David Bradley Manufacturing Company, Bradley, Ill.
Cardwell Machine Company, Richmond, Va.
J. I. Case Threshing Machine Company, Racine, Wis.
Contractors' Plant Manufacturing Company, Buffalo, N. Y.
Deere & Mansur Company, Moline, Ill.
Deming Company, Salem, Ohio.
Foos Manufacturing Company, Springfield, Ohio.
The S. Freeman & Sons Manufacturing Company, Racine, Wis.
Gaar, Scott & Co., Richmond, Ind.
Geiser Manufacturing Company, Waynesboro, Pa.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Joliet Manufacturing Company, Joliet, Ill.
Keystone Farm Machine Company, York, Pa.
Marseilles Manufacturing Company, Marseilles, Ill.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
M. Rumely Company, La Porte, Ind.
Sandwich Manufacturing Company, Sandwich, Ill.
Silver Manufacturing Company, Salem, Ohio.

1337—HORSE SHOES.

(See Shoes, Horse and Mule.)

1338—HORSE SHOES, RUBBER.

B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.
Morgan & Wright, Chicago, Ill.

1339—HOSE.

Boston Belting Company, Boston, Mass.
Diamond Rubber Company, Akron, Ohio.
Empire Rubber Manufacturing Company, Trenton, N. J.
The Eureka Rubber Manufacturing Company, Trenton, N. J.
B. F. Goodrich Company, Akron, Ohio.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
Home Rubber Company, Trenton, N. J.
Kelly Foundry and Machine Company, Goshen, Ind.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.

1339—HOSE—Continued.

Quaker City Rubber Company, Philadelphia, Pa.
Revere Rubber Company, Boston, Mass.
Rossendale-Reddaway Belting and Hose Company, Newark, N. J.
United and Globe Rubber Manufacturing Companies, Trenton, N. J.

1340—HOSE COVERING, METALLIC.

American Circular Loom Company, Chelsea, Mass.

1341—HOSE SUPPORTERS.

George Frost Company, Boston, Mass.

1342—HOSIERY BOARDS.

Joseph T. Pearson, Philadelphia, Pa.

1343—HOSIERY, COTTON.

Amazon Knitting Company, Muskegon, Mich.
Bibb Manufacturing Company, Macon, Ga.
Brown Knitting Company, Philadelphia, Pa.
Burson Knitting Company, Rockford, Ill.
Columbia Hosiery Company, New York.
Cooper, Wells & Co., St. Joseph, Mich.
Cornell Stocking Corporation, New Bedford, Mass.
Globe Knitting Mills, Norristown, Pa.
Kalamazoo Knitting Company, Milwaukee, Wis.
Lawrence Manufacturing Company, Boston, Mass.
The Nolde & Horst Company, Reading, Pa.
Paramount Knitting Company, Chicago, Ill.
Parker Hosiery Mill and Dye Works, Portsmouth, Va.
Pilling & Madeley, Inc., Philadelphia, Pa.
G. H. Tilton & Son, Tilton, N. H.
Wayne Knitting Mills, Fort Wayne, Ind.

1344—HOSIERY, LISLE.

Amazon Knitting Company, Muskegon, Mich.
Columbia Hosiery Company, New York.
Globe Knitting Mills, Norristown, Pa.
Julius Kayser & Co., New York.
The Wayne Knitting Mills, Fort Wayne, Ind.

1345—HOSIERY, SILK.

Julius Kayser & Co., New York.

1346—HOSIERY, WOOL.

Campbell Knitting Mill Company, Elmira, N. Y.
Columbia Hosiery Company, New York.
Cooper, Wells & Co., St. Joseph, Mich.
Cornell Stocking Corporation, New Bedford, Mass.
Kalamazoo Knitting Company, Milwaukee, Wis.
Julius Kayser & Co., New York.
Mishawaka Woolen Manufacturing Company, Mishawaka, Ind.
National Knitting Company, Milwaukee, Wis.
New Albany Hosiery Mills, New Albany, Ind.
Owen Osborne, Philadelphia, Pa.
Wayne Knitting Mills, Fort Wayne, Ind.

1347—HOSPITAL EQUIPMENT.

(See also Furniture, Hospital.)

Frank S. Betz Company, Chicago, Ill.
Davol Rubber Company, Providence, R. I.
C. L. Flaccus Glass Company, Pittsburg, Pa.

1347—HOSPITAL EQUIPMENT—Continued.

B. F. Goodrich Company, Akron, Ohio.
Greenpoint Metallic Bed Company, Brooklyn, N. Y.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Johnson & Johnson, New Brunswick, N. J.
Kny-Scheerer Company, New York.
J. Ellwood Lee Company, Conshohocken, Pa.
A. A. Marks, New York.
Seabury & Johnson, New York.
Standard Sanitary Manufacturing Company, Pittsburg, Pa.
Tyer Rubber Company, Andover, Mass.
Henry Weinhagen, New York.

1348—HOT PLATES, GAS.

The Griswold Manufacturing Company, Erie, Pa.
Taylor & Boggis Foundry Company, Cleveland, Ohio.

1349—HOUSE NUMBERS.

Stover Manufacturing Company, Freeport, Ill.

1350—HOUSES, PORTABLE.

C. & A. Patented Building Construction Company, New York.
Ducker Company, New York.

1351—HOUSE FURNISHING GOODS.

Acme Kitchen Furniture Company, Chattanooga, Tenn.
American Can Company, New York.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Josiah Anstice & Co., Rochester, N. Y.
Arcade Manufacturing Company, Freeport, Ill.
Avery Stamping Company, Cleveland, Ohio.
George H. Bishop & Co., Lawrenceburg, Ind.
A. P. Burchfield (Joseph Horne Company), Pittsburg, Pa.
Clement Manufacturing Company, Northampton, Mass.
Cleveland Stamping and Tool Company, Cleveland, Ohio.
Columbian Enameling and Stamping Company, Terre Haute, Ind.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
Dunham, Carrigan & Hayden Company, San Francisco, Cal.
Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.
Favorite Stove and Range Company, Piqua, Ohio.
Geuder & Paeschke Manufacturing Company, Milwaukee, Wis.
Goodell Company, Antrim, N. H.
John H. Graham & Co., New York.
The Griswold Manufacturing Company, Erie, Pa.
Hall & Carpenter, Philadelphia, Pa.
Hero Fruit Jar Company, Philadelphia, Pa.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Holbrook, Merrill & Stetson, San Francisco, Cal.
The Jennings Brothers Manufacturing Company, Bridgeport, Conn.
Kilbourne Manufacturing Company, Troy, N. Y.
F. E. Kohler & Co., Canton, Ohio.
Lalance & Grosjean Manufacturing Company, New York.
Landers, Frary & Clark, New Britain, Conn.
F. H. Lawson Company, Cincinnati, Ohio.
A. J. Lindemann & Hoverson Company, Milwaukee, Wis.
Metal Stamping Company, Jackson, Mich.
Fred, J. Meyers Manufacturing Company, Hamilton, Ohio.
Thomas Mills & Brother, Inc., Philadelphia, Pa.
National Enameling and Stamping Company, New York.
National Novelty Corporation, New York.

1351—HOUSE FURNISHING GOODS—Continued.

National Sweeper Company, Marion, Ind.
New York Stamping Company, Brooklyn, N. Y.
North Brothers Manufacturing Company, Philadelphia, Pa.
The Ober Manufacturing Company, Chagrin Falls, Ohio.
The Charles Parker Company, Meriden, Conn.
Peck, Stow & Wilcox Company, Southington, Conn.
Phillips & Buttorff Manufacturing Company, Nashville, Tenn.
Fayette R. Plumb, Inc., Philadelphia, Pa.
The Plume & Atwood Manufacturing Company, New York.
Rochester Stamping Company, Rochester, N. Y.
Russell & Erwin Manufacturing Company, New Britain, Conn.
Sargent & Co., New York.
Stover Manufacturing Company, Freeport, Ill.
Stuber & Kuck, Peoria, Ill.
Toledo Cooker Company, Toledo, Ohio.
Troy Nickel Works and Albany Foundry Company, Albany, N. Y.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.
United Indurated Fibre Company, Lockport, N. Y.
William Vogel & Brothers, Brooklyn, N. Y.
The Jacob J. Vollrath Manufacturing Company, Sheboygan, Wis.
The White Mountain Freezer Company, Nashua, N. H.
Wiebusch & Hilger, Ltd., New York.
Wrightsville Hardware Company, Wrightsville, Pa.

1352—HUBS, SPOKES AND FELLOES.

(See Wheel Parts, Wood.)

1353—HULLERS, CLOVER.

Aultman & Taylor Machinery Company, Mansfield, Ohio.
Birdsell Manufacturing Company, South Bend, Ind.
Gaar, Scott & Co., Richmond, Ind.
Geiser Manufacturing Company, Waynesboro, Pa.
The Newark Machine Company, Newark, Ohio.
Reeves & Co., Columbus, Ind.
M. Rumely Company, La Porte, Ind.

1354—HULLERS, COFFEE AND RICE.

Blymyer Iron Works Company, Cincinnati, Ohio.
Boland & Gschwind Company, New Orleans, La.
Buffalo Forge Company, Buffalo, N. Y.
The Cardwell Machine Company, Richmond, Va.
Engelberg Huller Company, Syracuse, N. Y.
Huntley Manufacturing Company, Silver Creek, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.

1355—HULLERS, COTTON.

The Cardwell Machine Company, Richmond, Va.
Thomas Fordyce Manufacturing Company, Little Rock, Ark.
Nordyke & Marmon Company, Indianapolis, Ind.
D. A. Tompkins Company, Charlotte, N. C.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.

1356—HUSKERS, CORN.

(See Shellers and Huskers, Corn.)

1357—HYDRANTS, FIRE.

Chapman Valve Manufacturing Company, Indian Orchard, Mass.
The Dimmick Pipe Company, Birmingham, Ala.
Flint & Walling Manufacturing Company, Kendallville, Ind.
Goulds Manufacturing Company, Seneca Falls, N. Y.

1357—HYDRANTS, FIRE—Continued.

Herron Pump and Foundry Company, Chattanooga, Tenn.
Howard Iron Works, Buffalo, N. Y.
The Kennedy Valve Manufacturing Company, New York.
Pittsburgh Manufacturing Company, Pittsburg, Pa.
John Simmons Company, New York.
Roe Stephens Manufacturing Company, Detroit, Mich.
Walworth Manufacturing Company, Boston, Mass.
R. D. Wood & Co., Philadelphia, Pa.

1358—HYDRO-EXTRACTORS.

American Tool and Machine Company, Boston, Mass.

1359—HYDROGEN PEROXIDE.

Rosengarten & Sons, Inc., Philadelphia, Pa.

1360—HYDROMETERS.

(See Thermometers.)

1361—ICE.

Diamond Ice and Storage Company, Seattle, Wash.

1362—ICE MAKERS' SUPPLIES.

Cochrane Chemical Company, Boston, Mass.

1363—ICE TOOLS.

George H. Bishop & Co., Lawrenceburg, Ind.
The Griswold Manufacturing Company, Erie, Pa.
C. E. Jennings & Co., New York.
Kelly Axe Manufacturing Company, Charleston, W. Va.
National Novelty Corporation, New York.
North Brothers Manufacturing Company, Philadelphia, Pa.
Stover Manufacturing Company, Freeport, Ill.
L. & I. J. White Company, Buffalo, N. Y.

1364—IGNITERS, GAS, ELECTRIC.

Holtzer-Cabot Electric Company, Brookline, Mass.

1365—INCUBATORS.

Humphrey & Sons, Joliet, Ill.

1366—INDEX LABELS AND SUPPLIES.

Central Ohio Paper Company, Columbus, Ohio.
Eichbaum Company, Pittsburg, Pa.
Globe-Wernicke Company, Cincinnati, Ohio.
Library Bureau, Boston, Mass.
B. D. Rising Paper Company, Housatonic, Mass.
The Shaw-Walker Company, Muskegon, Mich.
Wabash Cabinet Company, Wabash, Ind.

1367—INDICATORS, SPEED.

American Steam Gauge and Valve Manufacturing Company, Boston, Mass.
Nordyke & Marmon Company, Indianapolis, Ind.
Norton Emery Wheel Company, Worcester, Mass.
L. S. Starrett Company, Athol, Mass.

1368—INFUSORIAL EARTHS.

Hammill & Gillespie, New York.

1369—INJECTORS.

American Injector Company, Detroit, Mich.
H. Belfield & Co., Philadelphia, Pa.

1369—INJECTORS—Continued.

Detroit Lubricator Company, Detroit, Mich.
Fairbanks Company, New York.
John E. Lonergan & Co., Philadelphia, Pa.
Lunkenheimer Company, Cincinnati, Ohio.
Pittsburgh Valve, Foundry and Construction Company, Pittsburg, Pa.
William Powell Company, Cincinnati, Ohio.
Power Specialty Company, Detroit, Mich.
William Sellers & Co., Philadelphia, Pa.
Sherwood Manufacturing Company, Buffalo, N. Y.

1370—INK, BURNISHING.

The Matchless Metal Polish Company, New York.
Frank Miller Company, New York.
The Sewing Machine Supplies Company, Boston, Mass.

1371—INK, DRAWING.

The Carter's Ink Company, Boston, Mass.
Charles M. Higgins & Co., Brooklyn, N. Y.
Keuffel & Esser Company, New York.
S. S. Stafford, Inc., New York.

1372—INK ERADICATOR.

S. S. Stafford, Inc., New York.

1373—INK, INDELIBLE.

The Carter's Ink Company, Boston, Mass.
S. S. Stafford, Inc., New York.

1374—INK, LITHOGRAPHIC.

Ault & Wiborg Company, Cincinnati, Ohio.

1375—INK, MARKING AND STENCILING.

Binney & Smith Company, New York.
The Carter's Ink Company, Boston, Mass.
The J. F. W. Dorman Company, Baltimore, Md.
S. S. Stafford, Inc., New York.

1376—INK, PRINTING.

Ault & Wiborg Company, Cincinnati, Ohio.
Barnhart Bros. & Spindler, Chicago, Ill.
The J. F. W. Dorman Company, Baltimore, Md.
Golding Manufacturing Company, Boston, Mass.
F. S. Webster Company, Boston, Mass.

1377—INK, TYPEWRITER.

The Carter's Ink Company, Boston, Mass.
Charles M. Higgins & Co., Brooklyn, N. Y.
S. S. Stafford, Inc., New York.
F. S. Webster Company, Boston, Mass.

1378—INK, WRITING.

J. C. Blair Company, Huntingdon, Pa.
The Carter's Ink Company, Boston, Mass.
Charles M. Higgins & Co., Brooklyn, N. Y.
Sanford Manufacturing Company, Chicago, Ill.
S. S. Stafford, Inc., New York.

1379—INKSTANDS AND INK WELLS.

The Fostoria Glass Company, Moundsville, W. Va.
National Glass Company, Pittsburg, Pa.

1379—INKSTANDS AND INK WELLS—Continued.

The Niagara Clip Company, New York.
L. B. Prahar, Brooklyn, N. Y.
The Samuel C. Tatum Company, Cincinnati, Ohio.
Webster Company, North Attleboro, Mass.

1380—INSTRUMENTS, ASTRONOMICAL.

C. H. Stoelting Company, Chicago, Ill.
The Warner & Swasey Company, Cleveland, Ohio.

1381—INSTRUMENTS, DENTAL.

Consolidated Dental Manufacturing Company, New York.
The Ransom & Randolph Company, Toledo, Ohio.
S. S. White Dental Manufacturing Company, Philadelphia, Pa.

1382—INSTRUMENTS, ELECTRICAL MEASURING.

(See Electrical Measuring Instruments.)

1383—INSTRUMENTS, MUSICAL.

(See also Organs, also Pianos.)

Lyon & Healy, Chicago, Ill.
National Novelty Corporation, New York.
William Tonk & Bro., Inc., New York.

1384—INSTRUMENTS, PRECISION.

(See Tools, Precision; also Instruments, Scientific.)

1385—INSTRUMENTS, SCIENTIFIC.

Bausch & Lomb Optical Company, Rochester, N. Y.
Frank S. Betz Company, Chicago, Ill.
W. & L. E. Gurley, Inc., Troy, N. Y.
C. H. Stoelting Company, Chicago, Ill.
The Warner & Swasey Company, Cleveland, Ohio.
Henry Weinhagen, New York.
Weston Electrical Instrument Company, Waverly Park, Newark, N. J.

1386—INSTRUMENTS, SURGICAL.

W. D. Allison Company, Indianapolis, Ind.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Kny-Scheerer Company, New York.
Henry Weinhagen, New York.

1387—INSTRUMENTS, SURVEYING.

W. & L. E. Gurley, Inc., Troy, N. Y.
Keuffel & Esser Company, New York.
L. S. Starrett Company, Athol, Mass.

1388—INSULATING MATERIAL.

American Hard Rubber Company, New York.
Albert & J. M. Anderson Manufacturing Company, Boston, Mass.
Armstrong Cork Company, Pittsburg, Pa.
Auburn Button Works, Auburn, N. Y.
F. W. Bird & Son, East Walpole, Mass.
Samuel Cabot, Boston, Mass.
Philip Carey Manufacturing Company, Lockland, Ohio.
Diamond Rubber Company, Akron, Ohio.
Johns-Pratt Company, Hartford, Conn.
Keasbey & Mattison Company, Ambler, Pa.
The Paraffine Paint Company, San Francisco, Cal.
Peru Electric Manufacturing Company, Peru, Ind.
Pettingell-Andrews Company, Boston, Mass.

1388—INSULATING MATERIAL—Continued.

Sauquoit Silk Manufacturing Company, Nicetown, Philadelphia, Pa
The Standard Paint Company, New York.
Standard Underground Cable Company, Pittsburg, Pa.
Standard Varnish Works, New York.
D. M. Steward Manufacturing Company, Chattanooga, Tenn.
H. F. Watson Company, Erie, Pa.

1389—INSULATOR PINS, STEEL.

Central Manufacturing Company, Chattanooga, Tenn.
Chase-Shawmut Company, Newburyport, Mass.
Doubleday-Hill Electric Company, Pittsburg, Pa.
Michigan Bolt and Nut Works, Detroit, Mich.
Oliver Iron and Steel Company, Pittsburg, Pa.
Pass & Seymour, Inc., Solvay, N. Y.
Pettingell-Andrews Company, Boston, Mass.

1390—INSULATORS, GLASS.

The Hemingray Glass Company, Covington, Ky.

1391—INSULATORS, LAVITE.

D. M. Steward Manufacturing Company, Chattanooga, Tenn.

1392—INSULATORS, MICA.

Albert & J. M. Anderson Manufacturing Company, Boston, Mass.
Johns-Pratt Company, Hartford, Conn.
Pettingell-Andrews Company, Boston, Mass.

1393—INSULATORS, PORCELAIN.

Pass & Seymour, Inc., Solvay, N. Y.
Peru Electric Manufacturing Company, Peru, Ind.

1394—IODINE.

Rosengarten & Sons, Inc., Philadelphia, Pa.

1395—IRON, BAND AND HOOP.

Carnegie Steel Company, Pittsburg, Pa.
Lockhart Iron and Steel Company, Pittsburg, Pa.

1396—IRON, CORRUGATED SHEET.

The American Rolling Mill Company, Middletown, Ohio.
American Sheet and Tin Plate Company, Pittsburg, Pa.
Milliken Brothers, New York.
Alan Wood Iron and Steel Company, Philadelphia, Pa.
J. Wood & Brothers Company, Conshohocken, Pa.
Zug & Co., Ltd., Pittsburg, Pa.

1397—IRON FILLERS.

Acme White Lead and Color Works, Detroit, Mich.
Felton, Sibley & Co., Philadelphia, Pa.
Forest City Paint and Varnish Company, Cleveland, Ohio.
Pecora Paint Company, Philadelphia, Pa.

1398—IRON, MALLEABLE.

The Marting Iron and Steel Company, Ironton, Ohio.
Rogers, Brown & Co., New York.
Stewart Iron Company, Ltd., Sharon, Pa.
The Struthers Furnace Company, Cleveland, Ohio.

1399—IRON, MERCHANT BAR.

Aetna Nut Company, Southington, Conn.
American Car and Foundry Company, New York.

1399—IRON, MERCHANT BAR—Continued.

American Iron and Steel Manufacturing Company, Lebanon, Pa.
Carnegie Steel Company, Pittsburg, Pa.
Cohoes Rolling Mill Company, Cohoes, N. Y.
The Colorado Fuel and Iron Company, Denver, Col.
Crucible Steel Company of America, Pittsburg, Pa.
Davis Brothers Rolling Mill and Spike Works, Philadelphia, Pa.
Dunham, Carrigan & Hayden Company, San Francisco, Cal.
Highland Iron and Steel Company, Terre Haute, Ind.
Judson Manufacturing Company, San Francisco, Cal.
Kelley, Maus & Co., Chicago, Ill.
Knoxville Iron Company, Knoxville, Tenn.
Lockhart Iron and Steel Company, Pittsburg, Pa.
Lukens Iron and Steel Company, New Orleans, La.
National Iron Company, West Duluth, Minn.
Oliver Iron and Steel Company, Pittsburg, Pa.
Pacific Hardware and Steel Company, San Francisco, Cal.
Pittsburg Forge and Iron Company, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.
William & Harvey Rowland, Inc., Frankford, Philadelphia, Pa.
Scranton Bolt and Nut Company, Scranton, Pa.
Sligo Iron and Steel Company, Connellsville, Fayette County, Pa.
Standard Chain Company, Pittsburg, Pa.
Union Rolling Mill Company, Cleveland, Ohio.
Westerman & Co., Lockport, N. Y.
Zug & Co., Ltd., Pittsburg, Pa.

1400—IRON, MUCK BAR.

Bethlehem Steel Company, South Bethlehem, Pa.
Cohoes Rolling Mill Company, Cohoes, N. Y.
Glasgow Iron Company, Pottstown, Pa.
Sligo Iron and Steel Company, Connellsville, Fayette County, Pa.
Stewart Iron Company, Ltd., Sharon, Pa.
The Youngstown Iron Sheet and Tube Company, Youngstown, Ohio.
Zug & Co., Ltd., Pittsburg, Pa.

1401—IRON NITRATE.

Cochrane Chemical Company, Boston, Mass.
Franklin H. Kalbfleisch Company, New York.
Merrimac Chemical Company, Boston, Mass.

1402—IRON ORE.

Brown Mining Company, Rockwood, Tenn.
M. A. Hanna & Co., Cleveland, Ohio.
Lookout Mountain Iron Company, Battelle, Ala.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

1403—IRON, PIG.

Alabama Steel and Wire Company, Gadsden, Ala.
Bethlehem Steel Company, South Bethlehem, Pa.
Bon Air Coal and Iron Company, Nashville, Tenn.
Brier Hill Iron and Coal Company, Youngstown, Ohio.
Carnegie Steel Company, Pittsburg, Pa.
Cherry Valley Iron Company, Pittsburg, Pa.
Citico Furnace Company, Chattanooga, Tenn.
The Colorado Fuel and Iron Company, Denver, Col.
Columbus Iron and Steel Company, Columbus, Ohio.
M. A. Hanna & Co., Cleveland, Ohio.
Illinois Steel Company, Chicago, Ill.
La Follette Coal, Iron and Railway Company, La Follette, Tenn.

1403—IRON, PIG—Continued.

Lookout Mountain Iron Company, Battelle, Ala.
The Marting Iron and Steel Company, Ironton, Ohio.
Napier Iron Works, Nashville, Tenn.
Poughkeepsie Iron Company, Poughkeepsie, N. Y.
Punxsutawney Iron Company, Buffalo, N. Y.
Republic Iron and Steel Company, Chicago, Ill.
Rogers, Brown & Co., New York.
The Salem Iron Company, Pittsburg, Pa.
Stewart Iron Company, Ltd., Sharon, Pa.
The Struthers Furnace Company, Cleveland, Ohio.
Tonawanda Iron and Steel Company, North Tonawanda, N. Y.
Woodward Iron Company, Woodward, Ala.
The Youngstown Iron and Sheet and Tube Company, Youngstown, Ohio
The Youngstown Steel Company, Youngstown, Ohio.

1404—IRON, PIG, CHARCOAL.

The Bass Foundry and Machine Company, Fort Wayne, Ind.
The Cleveland-Cliffs Iron Company, Cleveland, Ohio.
Rogers, Brown & Co., New York.

1405—IRON, PLATE.

Bethlehem Steel Company, South Bethlehem, Pa.
Central Iron and Steel Company, Harrisburg, Pa.
Crucible Steel Company of America, Pittsburg, Pa.
Glasgow Iron Company, Pottstown, Pa.
Lukens Iron and Steel Company, New Orleans, La.
Republic Iron and Steel Company, Chicago, Ill.
Sligo Iron and Steel Company, Connellsville, Fayette County, Pa.
Alan Wood Iron and Steel Company, Philadelphia, Pa.
J. Wood & Brothers Company, Conshohocken, Pa.

1406—IRON, PUDDLED.

(See Iron, Muck Bar.)

1407—IRON, RIVET, BOLT AND SCREW.

(See Screw Iron.)

1408—IRON SHEET.

American Sheet and Tin Plate Company, Pittsburg, Pa.
Crucible Steel Company of America, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.
Sligo Iron and Steel Company, Connellsville, Fayette County, Pa.
Wheeling Steel and Iron Company, Wheeling, W. Va.
Alan Wood Iron and Steel Company, Philadelphia, Pa.
J. Wood & Brothers Company, Conshohocken, Pa.
The Youngstown Iron Sheet and Tube Company, Youngstown, Ohio.
Zug & Co., Ltd., Pittsburg, Pa.

1409—IRON, SKELP.

Cohoes Rolling Mill Company, Cohoes, N. Y.
Glasgow Iron Company, Pottstown, Pa.
The Parkesburg Iron Company, Parkesburg, Pa.
Wheeling Steel and Iron Company, Wheeling, W. Va.
The Youngstown Iron Sheet and Tube Company, Youngstown, Ohio.

1410—IRONING MACHINES.

(See Machinery, Laundry.)

1411—IRONWORK, ARCHITECTURAL.

Chester B. Albree Iron Works, Allegheny, Pa.
American Foundry and Furnace Company, Bloomington, Ill.
Bartlett, Hayward & Co., Baltimore, Md.
Berger Manufacturing Company, Canton, Ohio.
Brown-Ketcham Iron Works, Indianapolis, Ind.
The Champion Iron Company, Kenton, Ohio.
Chattanooga Roofing & Foundry Company, Chattanooga, Tenn.
Chickasaw Iron Works, Memphis, Tenn.
Joshua Hendy Machine Works, San Francisco, Cal.
The Kinnear & Gager Company, Columbus, Ohio.
Klauer Manufacturing Company, Dubuque, Iowa.
Llewellyn Iron Works, Los Angeles, Cal.
Love Brothers, Inc., Aurora, Kane County, Ill.
A. Lucas & Sons, Peoria, Ill.
David Lupton's Sons Company, Philadelphia, Pa.
The G. R. Lynch Manufacturing Company, Chattanooga, Tenn.
McGuire-Cummings Manufacturing Company, Chicago, Ill.
James McKinney & Son, Albany, N. Y.
Merritt & Co., Inc., Philadelphia, Pa.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Milliken Brothers, New York.
The J. L. Mott Iron Works, New York.
W. H. Mullins, Salem, Ohio.
National Iron Company, West Duluth, Minn.
Price-Evans Foundry Company, Chattanooga, Tenn.
Riter-Conley Manufacturing Company, Pittsburg, Pa.
Russel Wheel and Foundry Company, Detroit, Mich.
Taylor & Dean, Pittsburg, Pa.
The Van Dorn Iron Works Company, Cleveland, Ohio.
The Vulcan Iron Works, Seattle, Wash.
Jno. Williams, New York.

1412—IRONWORK, ORNAMENTAL.

Chester B. Albree Iron Works, Allegheny, Pa.
Bartlett, Hayward & Co., Baltimore, Md.
Brown-Ketcham Iron Works, Indianapolis, Ind.
The Champion Iron Company, Kenton, Ohio.
Chattanooga Implement & Manufacturing Company, E. Chattanooga, Tenn.
Chattanooga Roofing & Foundry Company, Chattanooga, Tenn.
The Kinnear & Gager Company, Columbus, Ohio.
Lamb Wire Fence Company, Adrian, Mich.
Love Brothers, Inc., Aurora, Kane County, Ill.
A. Lucas & Sons, Peoria, Ill.
James McKinney & Son, Albany, N. Y.
Merritt & Co., Inc., Philadelphia, Pa.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Milliken Brothers, New York.
The J. L. Mott Iron Works, New York.
Quintard Iron Works Company, New York.
The Standard Company, Chicago, Ill.
Taylor & Dean, Pittsburg, Pa.
W. S. Tyler Company, Cleveland, Ohio.
Jno. Williams, New York.
Yale & Towne Manufacturing Company, New York.

1413—IRONWORK, PLATE AND SHEET.

American Can Company, New York.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Atlantic Works, East Boston, Mass.

1413—IRONWORK, PLATE AND SHEET—Continued.

The Aultman & Taylor Machinery Company, Mansfield, Ohio.
Avery Stamping Company, Cleveland, Ohio.
Baker Iron Works, Los Angeles, Cal.
Bartlett, Hayward & Co., Baltimore, Md.
Berger Manufacturing Company, Canton, Ohio.
Berlin Construction Company, Berlin, Conn.
Bigelow Company, New Haven, Conn.
John Brennan & Co., Inc., Detroit, Mich.
A. Buch's Sons Company, Elizabethtown, Pa.
Caird & Hawksworth, Helena, Mont.
The Case Manufacturing Company, Columbus, Ohio.
Chattanooga Roofing and Foundry Company, Chattanooga, Tenn.
Chicago Ship Building Company, Chicago, Ill.
The W. J. Clark Company, Salem, Ohio.
Climax Road Machine Company, Marathon, N. Y.
E. J. Codd Company, Baltimore, Md.
The J. D. Connell Iron Works, New Orleans, La.
Consolidated Pipe Company, Los Angeles, Cal.
Detroit Shipbuilding Company, Detroit, Mich.
Fairbanks, Morse & Co., Chicago, Ill.
Farrar & Trefts, Buffalo, N. Y.
The Flynn & Emrich Company, Baltimore, Md.
Frick Company, Waynesboro, Pa.
Fulton Engine Works, Los Angeles, Cal.
Glasgow Iron Company, Pottstown, Pa.
Peter Gray & Sons, Boston, Mass.
Harrisburg Manufacturing and Boiler Company, Harrisburg, Pa.
James G. Heggie, Joliet, Ill.
Heilman Machine Works, Evansville, Ind.
Holbrook, Merrill & Stetson, San Francisco, Cal.
H. E. Holmes & Co., San Francisco, Cal.
The Houston, Stanwood & Gamble Company, Cincinnati, Ohio.
The Ireland & Matthews Manufacturing Company, Detroit, Mich.
The Johnson Iron Works, Limited, New Orleans, La.
Johnson Service Company, Milwaukee, Wis.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
King Iron Works, Buffalo, N. Y.
Klauer Manufacturing Company, Dubuque, Iowa.
L. O. Koven & Brother, New York.
Kroeschell Brothers Company, Chicago, Ill.
James Lappan Manufacturing Company, Pittsburg, Pa.
Latrobe Steel Company, Philadelphia, Pa.
F. H. Lawson Company, Cincinnati, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Logan Iron Works, Brooklyn, N. Y.
Lombard Iron Works and Supply Company, Augusta, Ga.
Lookout Boiler and Manufacturing Company, Chattanooga, Tenn.
David Lupton's Sons Company, Philadelphia, Pa.
James McNeil & Bro. Company, Pittsburg, Pa.
John Mohr & Sons, Chicago, Ill.
Moran Bros. Company, Seattle, Wash.
W. H. Mullins, Salem, Ohio.
Newark Rivet Works, Newark, N. J.
R. S. Newbold & Son Company, Norristown, Pa.
New York Central Iron Works Company, Geneva, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.
Pennsylvania Engineering Works, New Castle, Pa.
Petroleum Iron Works Company, Washington, Pa.

1413—IRONWORK, PLATE AND SHEET—Continued.

The Portland Company, Portland, Me.
Quintard Iron Works Company, New York.
James Rees & Sons Company, Pittsburg, Pa.
The Reeves Brothers Company, Alliance, Ohio.
Riter-Conley Manufacturing Company, Pittsburg, Pa.
Ruemmeli-Dawley Manufacturing Company, St. Louis, Mo.
Southern Iron and Equipment Company, Atlanta, Ga.
The Springfield Bridge and Iron Company, Springfield, Ill.
The Stirling Company, Chicago, Ill.
Tippett & Wood, Phillipsburg, N. J.
The Titusville Iron Company, Titusville, Pa.
The Van Dorn Iron Works Company, Cleveland, Ohio.
Variety Iron Works Company, Cleveland, Ohio.
William Vogel & Brothers, Brooklyn, N. Y.
Henry Vogt Machine Company, Louisville, Ky.

1414—IRONWORK, STRUCTURAL.

(See Structural Iron and Steel Works.)

1415—ISINGLASS.

American Glue Company, Boston, Mass.
Armour & Co., Chicago, Ill.

1416—JACK-SCREWS.

W. H. Anderson & Sons, Inc., Detroit, Mich.
Baker Manufacturing Company, Evansville, Wis.
Covert Manufacturing Company, West Troy, N. Y.
Goulds Manufacturing Company, Seneca Falls, N. Y.
Joyce Cridland Company, Dayton, Ohio.
Marseilles Manufacturing Company, Marseilles, Ill.
Morden Frog and Crossing Works, Chicago, Ill.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Sargent & Co., New York.
L. S. Starrett Company, Athol, Mass.
A. L. Swett Iron Works, Medina, N. Y.

1417—JACKS, HYDRAULIC.

Joyce Cridland Company, Dayton, Ohio.
Manning, Maxwell & Moore, New York.
Watson-Stillman Company, New York.

1418—JACKS, LEVER (WAGON AND CARRIAGE).

Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Boston and Lockport Block Company, Boston, Mass.
A. Buch's Sons Company, Elizabethtown, Pa.
Covert Manufacturing Company, West Troy, N. Y.
Joyce Cridland Company, Dayton, Ohio.
Manning, Maxwell & Moore, New York.
Marseilles Manufacturing Company, Marseilles, Ill.
Arthur J. O'Leary & Son Company, Chicago, Ill.

1419—JACKS, PNEUMATIC.

Manning, Maxwell & Moore, New York.
Railway Appliances Company, Chicago, Ill.

1420—JACKS, PUMP.

Baker Manufacturing Company, Evansville, Wis.
Goulds Manufacturing Company, Seneca Falls, N. Y.
August Mietz, New York.

1421—JACKS, TIMBER.

California Saw Works, San Francisco, Cal.
Joyce Cridland Company, Dayton, Ohio.
Lane Manufacturing Company, Montpelier, Vt.
Marseilles Manufacturing Company, Marseilles, Ill.
The Standard Scale and Supply Company, Ltd., Pittsburg, Pa.

1422—JACKS, TOOL WRENCHING.

Keystone Driller Company, Beaver Falls, Pa.
Leidecker Tool Company, Marietta, Ohio.

1423—JAPANNED WARE.

Anchor Stove and Range Company, Inc., Louisville, Ky.
Geuder & Paeschke Manufacturing Company, Milwaukee, Wis.
Lalance & Grosjean Manufacturing Company, New York.
F. H. Lawson Company, Cincinnati, Ohio.
National Enameling and Stamping Company, New York.
Rochester Stamping Company, Rochester, N. Y.
The Van Dorn Iron Works Company, Cleveland, Ohio.

1424—JAPANS.

(See Varnishes.)

1425—JARDINIERES.

The J. B. Owens Pottery Company, Zanesville, Ohio.
The Roseville Pottery Company, Zanesville, Ohio.
Trenton Potteries Company, Trenton, N. J.

1426—JARS, FRUIT.

Ball Brothers Glass Manufacturing Company, Muncie, Ind.
The Fairmount Glass Works, Fairmount, Ind.
Federal Glass Company, Columbus, Ohio.
C. L. Flaccus Glass Company, Pittsburg, Pa.
Hazel-Atlas Glass Company, Wheeling, W. Va.
The Hemingray Glass Company, Covington, Ky.
Illinois-Pacific Glass Company, San Francisco, Cal.
Poughkeepsie Glass Works, Poughkeepsie, N. Y.
United States Glass Company, Pittsburg, Pa.
Whitall-Tatum Company, New York.

1427—JARS, MILK.

Ball Brothers Glass Manufacturing Company, Muncie, Ind.
Charles Boldt Glass Company, Cincinnati, Ohio.
C. L. Flaccus Glass Company, Pittsburg, Pa.
Poughkeepsie Glass Works, Poughkeepsie, N. Y.
Whitall-Tatum Company, New York.

1428—JEANS, COTTON.

(See Cotton Jeans.)

1429—JEANS, WOOL.

Atlanta Woolen Mills, Atlanta, Ga.
Eagle and Phenix Mills, Columbus, Ga.
Knoxville Woolen Mills, Knoxville, Tenn.
Nashville Woolen Mill Company, Nashville, Tenn.
Park Woolen Mills, Rossville, Ga.
Zanesville Woolen Manufacturing Company, Zanesville, Ohio.

1430—JEWELERS' FINDINGS.

B. A. Ballou & Co., Providence, R. I.
Geo. H. Fuller & Son Company, Pawtucket, R. I.

1431—JEWELRY, DIAMOND MOUNTED.

(See Diamonds.)

1432—JEWELRY, GOLD FILLED, GOLD PLATED, ROLLED GOLD, ETC.

S. O. Bigney Company, Attleboro, Mass.
D. F. Briggs Company, Attleboro, Mass.
Clark & Coombs Company, Providence, R. I.
Cutler Jewelry Company, Providence, R. I.
R. R. Fogel & Co., New York.
Theodore W. Foster & Bro. Company, Providence, R. I.
Hamilton & Hamilton, Jr., Providence, R. I.
Walter E. Hayward, Attleboro, Mass.
Krementz & Co., Newark, N. J.
William Loeb & Co., Providence, R. I.
R. F. Simmons Company, Attleboro, Mass.
Waite, Thresher Company, Providence, R. I.

1433—JEWELRY, SILVER.

(See Novelties, Silverware.)

1434—JEWELRY, SOLID GOLD.

Alling & Co., New York.
B. A. Ballou & Co., Providence, R. I.
Carter, Howe & Co., New York.
Durand & Co., Newark, N. J.
Eckfeldt & Ackley, Newark, N. J.
Eisenstadt Manufacturing Company, St. Louis, Mo.
R. R. Fogel & Co., New York.
A. J. Hedges & Co., Newark, N. J.
Heintz Brothers, Buffalo, N. Y.
Krementz & Co., Newark, N. J.
Leonard Krower, New Orleans, La.
Larter, Elcox & Co., New York.
Ludwig Nissen & Co., New York.
Charles Schuetz & Sons, Newark, N. J.
E. L. Spencer Company, Inc., Providence, R. I.
Stern Bros. & Co., New York.
Waite, Thresher Company, Providence, R. I.

1435—JOINTS, EXPANSION.

Buckeye Iron and Brass Works, Dayton, Ohio.

1436—JOINTS, STEAM, GAS AND WATER.

(See Fittings, Steam, Gas and Water.)

1437—JOINTS, UNIVERSAL.

Baush Machine Tool Company, Springfield, Mass.
Gould & Eberhardt, Newark, N. J.
E. Horton & Son Company, Windsor Locks, Conn.
Kelly & Jones Company, New York.

1438—JUTE PRODUCTS.

Chelsea Jute Mills, New York.
Fulton Bag and Cotton Mills, New York.
Schlichter Jute Cordage Company, Philadelphia, Pa.

1439—KEIRS, BLEACHING.

H. W. Butterworth & Sons Company, Philadelphia, Pa.

1440—KERSEYS.

American Woolen Company, Boston, Mass.
W. J. Dickey & Son, Baltimore, Md.
Eagle and Phenix Mills, Columbus, Ga.
Raritan Woolen Mills, New York.
The S. N. & C. Russell Manufacturing Company, Pittsfield, Mass.

1441—KETCHUP.

The American Preserve Company, Philadelphia, Pa.
Joseph Campbell Company, Camden, N. J.
Curtice Bros. Company, Rochester, N. Y.
Dodson-Braun Manufacturing Company, St. Louis, Mo.
Erie Preserving Company, Buffalo, N. Y.
E. C. Hazard & Co., New York.
H. J. Heinz Company, Pittsburg, Pa.
Libby, McNeil & Libby, Inc., Chicago, Ill.
Van Camp Packing Company, Indianapolis, Ind.
Williams Brothers Company, Detroit, Mich.

1442—KETTLES, COLOR AND VARNISH.

H. W. Butterworth & Sons Company, Philadelphia, Pa.
The J. L. Mott Iron Works, New York.
The Reeves Brothers Company, Alliance, Ohio.

1443—KETTLES, STEAM JACKETED.

E. B. Badger & Sons Company, Boston, Mass.
Blymyer Iron Works Company, Cincinnati, Ohio.
Houchin & Huber, Brooklyn, N. Y.
J. L. Mott Iron Works, New York.
Smith & Anthony Company, Boston, Mass.

1444—KETTLES, SUGAR.

Allis-Chalmers Company, Chicago, Ill.
E. B. Badger & Sons Company, Boston, Mass.
Birmingham Machine and Foundry Company, Birmingham, Ala.
Blymyer Iron Works Company, Cincinnati, Ohio.
Buffalo Forge Company, Buffalo, N. Y.
Chattanooga Plow Company, Chattanooga, Tenn.
Christopher Cunningham, Brooklyn, N. Y.
Hersey Manufacturing Company, South Boston, Mass.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Logan Iron Works, Brooklyn, N. Y.
George M. Newhall Engineering Company, Ltd., Philadelphia, Pa.
The Platt Iron Works Company, Dayton, Ohio.
Pusey & Jones Company, Wilmington, Del.
Quintard Iron Works Company, New York.
Sugar Apparatus Manufacturing Company, Philadelphia, Pa.
John Trageser Steam Copper Works, New York.
R. D. Wood & Co., Philadelphia, Pa.

1445—KEYS AND KEY BLANKS.

(See Locks, also Hardware, Builders'.)

1446—KHAKI CLOTH FOR UNIFORMS.

Meyer & Goetze, New York.

1447—KILNS, CEMENT, ROTARY.

The Bonnot Company, Canton, Ohio.
The Reeves Brothers Company, Alliance, Ohio.
Vulcan Iron Works, Wilkes-Barre, Pa.

1448—KILNS, CHAR.

Broomell, Schmidt & Steacy Company, York, Pa.

1449—KILNS, DRY.

American Blower Company, Detroit, Mich.
The A. H. Andrews Company, Chicago, Ill.
Bonnot Company, Canton, Ohio.
Hersey Manufacturing Company, South Boston, Mass.
L. O. Koven & Brother, New York.
James McNeil & Bro. Company, Pittsburg, Pa.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
The Milner & Kettig Company, Birmingham, Ala.
Nordyke & Marmon Company, Indianapolis, Ind.
The C. W. Raymond Company, Dayton, Ohio.
The Reeves Brothers Company, Alliance, Ohio.
Ross Meehan Foundry Company, Chattanooga, Tenn.
Smith & Anthony Company, Boston, Mass.
The Standard Dry Kiln Company, Indianapolis, Ind.

1450—KILNS, LIME AND PLASTER.

Broomell, Schmidt & Steacy Company, York, Pa.
Lookout Boiler and Manufacturing Company, Chattanooga, Tenn.
Milton F. Williams Manufacturing Company, St. Louis, Mo.

1451—KINETOSCOPES.

Edison Phonograph Works, Orange, N. J.

1452—KITCHENWARE.

(See also Hollow-ware.)

Acme Kitchen Furniture Company, Chattanooga, Tenn.
American Can Company, New York.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Josiah Anstice & Co., Rochester, N. Y.
Avery Stamping Company, Cleveland, Ohio.
A. Buch's Sons Company, Elizabethtown, Pa.
Cleveland Stamping and Tool Company, Cleveland, Ohio.
Columbian Enameling and Stamping Company, Terre Haute, Ind.
Favorite Stove and Range Company, Piqua, Ohio.
Geuder & Paeschke Manufacturing Company, Milwaukee, Wis.
John H. Graham & Co., New York.
The Griswold Manufacturing Company, Erie, Pa.
Hall & Carpenter, Philadelphia, Pa.
Holbrook, Merrill & Stetson, San Francisco, Cal.
Lalance & Grosjean Manufacturing Company, New York.
Landers, Frary & Clark, New Britain, Conn.
F. H. Lawson Company, Cincinnati, Ohio.
A. J. Lindemann & Hoverson Company, Milwaukee, Wis.
Thomas Mills & Brother, Inc., Philadelphia, Pa.
National Enameling and Stamping Company, New York.
National Novelty Corporation, New York.
New York Stamping Company, Brooklyn, N. Y.
Phillips & Buttorff Manufacturing Company, Nashville, Tenn.
The Robinson Manufacturing Company, Toledo, Ohio.
Rochester Stamping Company, Rochester, N. Y.
The Roseville Pottery Company, Zanesville, Ohio.
Smith & Anthony Company, Boston, Mass.
John Van Range Company, Cincinnati, Ohio.
William Vogel & Brothers, Brooklyn, N. Y.
The Jacob J. Vollrath Manufacturing Company, Sheboygan, Wis.

1453—KITCHENWARE, ALUMINUM.

(See Aluminum Ware.)

1454—KNIFE GRINDERS, AUTOMATIC.

The Bridgeport Safety Emery Wheel Company, Bridgeport, Conn.
Diamond Machine Company, Providence, R. I.
International Harvester Company of America, Chicago, Ill.
Norton Emery Wheel Company, Worcester, Mass.
S. A. Woods Machine Company, Boston, Mass.

1455—KNIT GOODS.

(See Hosiery; also Underwear, Knit.)

1456—KNIVES, BEET.

E. C. Atkins & Co., Indianapolis, Ind.

1457—KNIVES, BREAD, SERRATED.

International Cutlery Company, Fremont, Ohio.

1458—KNIVES, BUTCHERS'.

American Cutlery Company, Chicago, Ill.
Lamson & Goodnow Manufacturing Company, Shelbourne Falls, Mass.
Northampton Cutlery Company, Northampton, Mass.
L. & I. J. White Company, Buffalo, N. Y.

1459—KNIVES, CANE.

George H. Bishop & Co., Lawrenceburg, Ind.
Collins & Co., New York.
Henry Disston & Sons, Inc., Philadelphia, Pa.

1460—KNIVES, CORN.

George H. Bishop & Co., Lawrenceburg, Ind.
Henry Disston & Sons, Inc., Philadelphia, Pa.

1461—KNIVES, FARRIERS'.

Heller Brothers Company, Newark, N. J.
Wiebusch & Hilger, Ltd., New York.

1462—KNIVES AND FORKS COMBINED FOR ONE-ARMED PERSONS.

A. A. Marks, New York City.

1463—KNIVES AND FORKS, TABLE.

American Cutlery Company, Chicago, Ill.
M. S. Benedict Manufacturing Company, East Syracuse, N. Y.
Clement Manufacturing Company, Northampton, Mass.
Dunham, Carrigan & Hayden Company, San Francisco, Cal.
Goodell Company, Antrim, N. H.
Gorham Manufacturing Company, New York.
Hero Fruit Jar Company, Philadelphia, Pa.
International Silver Company, Meriden, Conn.
Lamson & Goodnow Manufacturing Company, Shelbourne Falls, Mass.
Landers, Frary & Clark, New Britain, Conn.
Northampton Cutlery Company, Northampton, Mass.
Ontario Silver Company, Muncie, Ind.
Rockford Silver Plate Company, Rockford, Ill.
Simeon L. & George H. Rogers Company, Hartford, Conn.
R. Wallace & Son's Manufacturing Company, Wallingford, Conn.
Whiting Manufacturing Company, New York.

1464—KNIVES, HUNTING.

George H. Bishop & Co., Lawrenceburg, Ind.
Goodell Company, Antrim, N. H.
Northampton Cutlery Company, Northampton, Mass.

1465—KNIVES, LEATHER-SPLITTING.

John Loyd Company, New York.
The Sewing Machine Supplies Company, Boston, Mass.
Simonds Manufacturing Company, Fitchburg, Mass.
A. A. Simonds & Son Company, Dayton, Ohio.
L. & I. J. White Company, Buffalo, N. Y.

1466—KNIVES, MACHINE.

E. C. Atkins & Co., Indianapolis, Ind.
Branch Saw Company, St. Louis, Mo.
John Loyd Company, New York.
Mack & Co., Rochester, N. Y.
Samuel J. Shimer & Sons, Milton, Pa.
Simonds Manufacturing Company, Fitchburg ,Mass.
A. A. Simonds & Son Company, Dayton, Ohio.
Taylor, Stiles & Co., Riegelsville, N. J.
L. & I. J. White Company, Buffalo, N. Y.

1467—KNIVES, MOWER AND BINDER.

The Akron Machine Company, Akron, Ohio.
Wiebusch & Hilger, Ltd., New York.

1468—KNIVES, PAINTERS' AND DRUGGISTS'.

Lamson & Goodnow Manufacturing Company, Shelbourne Falls, Mass.
Northampton Cutlery Company, Northampton, Mass.

1469—KNIVES, PAPER TRIMMING.

(See Cutters, Paper.)

1470—KNIVES, POCKET.

The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
Walden Knife Company, Walden, N. Y.
Wiebusch & Hilger, Ltd., New York.

1471—KNIVES, SCRAPING.

George H. Bishop & Co., Lawrenceburg, Ind.
Lamson & Goodnow Manufacturing Company, Shelbourne Falls, Mass.
Mack & Co., Rochester, N. Y.
Northampton Cutlery Company, Northampton, Mass.
Simonds Manufacturing Company, Fitchburg, Mass.
A. A. Simonds &.Son Company, Dayton, Ohio.

1472—KNIVES, SHOE.

The Sewing Machine Supplies Company, Boston, Mass.
Wrightsville Hardware Company, Wrightsville, Pa.

1473—KNIVES, TOBACCO AND CIGARETTE.

George H. Bishop & Co., Lawrenceburg, Ind.
The Miller, Du Brul & Peters Manufacturing Company, Cincinnati, Ohio.
North Brothers Manufacturing Company, Philadelphia, Pa.
Simonds Manufacturing Company, Fitchburg, Mass.
L. & I. J. White Company, Buffalo, N. Y.
Wrightsville Hardware Company, Wrightsville, Pa.

1474—KNIVES, VENEER CUTTING.

John Loyd Company, New York.
St. Joseph Iron Works, St. Joseph, Mich.
Simonds Manufacturing Company, Fitchburg, Mass.
A. A. Simonds & Son Company, Dayton, Ohio.
Trevor Manufacturing Company, Lockport, N. Y.
L. & I. J. White Company, Buffalo, N. Y.

1475—KNOBS, DOOR.

Brass Goods Manufacturing Company, Brooklyn, N. Y.
P. & F. Corbin, New Britain, Conn.
Dayton Manufacturing Company, Dayton, Ohio.
Grand Rapids Brass Company, Grand Rapids, Mich.
National Novelty Corporation, New York.
Piqua Handle and Manufacturing Company, Piqua, Ohio.
Russell & Erwin Manufacturing Company, New Britain, Conn.
St. Louis Car Company, St. Louis, Mo.
Sargent & Co., New York.
Stover Manufacturing Company, Freeport, Ill.
Taylor & Boggis Foundry Company, Cleveland, Ohio.

1476—KNOTTERS, COTTON.

Barber & Colman, Rockford, Ill.

1477—KODAKS.

Eastman Kodak Company, Rochester, N. Y.

1478—KRASH-KO-NA WALL COVERINGS.

H. B. Wiggin's Sons Company, Bloomfield, N. J.

1479—KRYOLITH.

Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

1480—LABELS.

American Lithographic Company, New York.
Charles Boldt Glass Company, Cincinnati, Ohio.
The Calvert Lithographing Company, Detroit, Mich.
Illinois-Pacific Glass Company, San Francisco, Cal.
Ketterlinus Lithographic Manufacturing Company, Philadelphia, Pa.
The Scharf Tag, Label and Box Company, Ypsilanti, Mich.
Strobridge Lithographing Company, Cincinnati, Ohio.
Thomas Stationery Manufacturing Company, Springfield, Ohio.
United States Printing Company, Cincinnati, Ohio.
The Thomas J. Walton Printing Company, Salem, Ohio.

1481—LABORATORY EQUIPMENT.

(See Chemists' and Assayers' Supplies.)

1482—LACES.

Arnold Print Works, North Adams, Mass.

1483—LACINGS, CORSET AND SHOE.

Elmwood Mills, Providence, R. I.
Fletcher Manufacturing Company, Providence, R. I.
Joslin Manufacturing Company, Providence, R. I.

1484—LACQUERS.

Adams & Elting Company, Chicago, Ill.
The Glidden Varnish Company, Cleveland, Ohio.
Franklin H. Kalbfleisch Company, New York.
R. McWilliams, Ltd., New Orleans, La.
Marx & Rawolle, New York.
Moller & Schumann Company, Brooklyn, N. Y.
O'Brien Varnish Company, South Bend, Ind.
Standard Varnish Works, New York.

1485—LACQUERS, CELLULOID.

Hanson & Van Winkle Company, Newark, N. J.

1486—LADDERS.

Kelly Foundry and Machine Company, Goshen, Ind.
The Udell Works, Indianapolis, Ind.

1487—LADDERS, FIRE.

The Seagrave Company, Columbus, Ohio.

1488—LADDERS, ROLLING.

Coburn Trolley Track Manufacturing Company, Holyoke, Mass.
Morley Brothers, Saginaw, Mich.
F. E. Myers & Bro., Ashland, Ohio.
Wilcox Manufacturing Company, Aurora, Ill.

1489—LADLES, FOUNDRY.

W. J. Clark Company, Salem, Ohio.
James McNeil & Bro. Company, Pittsburg, Pa.
Manning, Maxwell & Moore, New York.
John Mohr & Sons, Chicago, Ill.
Northern Engineering Works, Detroit, Mich.
J. W. Paxson Co., Philadelphia, Pa.
The Reeves Brothers Company, Alliance, Ohio.
Whiting Foundry Equipment Company, Harvey, Ill.

1490—LAGGING, LOCOMOTIVE.

Philip Carey Manufacturing Company, Lockland, Ohio.
Keasbey & Mattison Company, Ambler, Pa.
H. F. Watson Company, Erie, Pa.

1491—LAMP CHIMNEYS.

(See Chimneys, Lamp.)

1492—LAMP GLOBES AND SHADES.

Gillinder & Sons, Inc., Philadelphia, Pa.
Gleason-Tiebout Glass Company, Brooklyn, N. Y.
Phoenix Glass Company, Pittsburg, Pa.
Sargent Glass Company, Evansville, Ind.
Sneath Glass Company, Hartford City, Ind.

1493—LAMP TRIMMINGS.

The Best Street Light Company, Canton, Ohio.
Manhattan Brass Company, New York.
Edward Miller & Co., Meriden, Conn.
The Plume & Atwood Manufacturing Company, New York.
Welsbach Company, Gloucester, N. J.
Wheeling Stamping Company, Wheeling, W. Va.

1494—LAMPS, ACETYLENE.

Adams & Westlake Company, Chicago, Ill.
Dayton Manufacturing Company, Dayton, Ohio.
R. E. Dietz Company, New York.
Pyle-National Electric Headlight Company, Chicago, Ill.
Twentieth Century Manufacturing Company, New York.

1495—LAMPS AND MANTLES, INCANDESCENT GAS.

The Best Street Light Company, Canton, Ohio.
Practical Gas Construction Company, North Chicago, Ill.
Welsbach Company, Gloucester, N. J.

1496—LAMPS, AUTOMOBILE.

American Tube and Stamping Company, Bridgeport, Conn.
Dayton Manufacturing Company, Dayton, Ohio.

1496—LAMPS, AUTOMOBILE—Continued.

R. E. Dietz Company, New York.
C. T. Ham Manufacturing Company, Rochester, N. Y.
Twentieth Century Manufacturing Company, New York.

1497—LAMPS, BICYCLE.

American Tube and Stamping Company, Bridgeport, Conn.
Bridgeport Brass Company, Bridgeport, Conn.
R. E. Dietz Company, New York.
John H. Graham & Co., New York.
Manhattan Brass Company, New York.
Edward Miller & Co., Meriden, Conn.
The Plume & Atwood Manufacturing Company, New York.
Twentieth Century Manufacturing Company, New York.

1498—LAMPS, BRASS.

Adams & Westlake Company, Chicago, Ill.
Angle Manufacturing Company, New York.
The Best Street Light Company, Canton, Ohio.
Bridgeport Brass Company, Bridgeport, Conn.
Dayton Manufacturing Company, Dayton, Ohio.
R. E. Dietz Company, New York.
C. T. Ham Manufacturing Company, Rochester, N. Y.
James L. Howard & Co., Hartford, Conn.
Manhattan Brass Company, New York.
Edward Miller & Co., Meriden, Conn.
The Charles Parker Company, Meriden, Conn.
The Plume & Atwood Manufacturing Company, New York.

1499—LAMPS, CARRIAGE.

R. E. Dietz Company, New York.
C. T. Ham Manufacturing Company, Rochester, N. Y.
James L. Howard & Co., Hartford, Conn.

1500—LAMPS, ELECTRIC ARC.

Adams & Westlake Company, Chicago, Ill.
Albert & J. M. Anderson Manufacturing Company, Boston, Mass.
Dayton Manufacturing Company, Dayton, Ohio.
Electrical Manufacturers' Export Company, New York.
Fort Wayne Electric Works, Fort Wayne, Ind.
General Electric Company, Schenectady, N. Y.
Gleason-Tiebout Glass Company, Brooklyn, N. Y.
The Hart Manufacturing Company, Hartford, Conn.
Shelby Electric Company, Shelby, Ohio.
United States Headlight Company, Buffalo, N. Y.
Westinghouse Electric and Manufacturing Company, Pittsburg, Pa.

1501—LAMPS, FLASH.

R. E. Dietz Company, New York.
The Hylo Lamp Company, Detroit, Mich.
Stanley & Patterson, Inc., New York.

1502—LAMPS, GLASS.

Angle Manufacturing Company, New York.
Brox & Ryall, Port Jervis, N. Y.
The Duncan & Miller Glass Company, Washington, Pa.
The Fostoria Glass Company, Moundsville, W. Va.
T. G. Hawkes & Co., Corning, N. Y.
The Hemingray Glass Company, Covington, Ky.
The Lippincott Glass Company, Alexandria, Ind.

1502—LAMPS, GLASS—Continued.

National Glass Company, Pittsburg, Pa.
Phoenix Glass Company, Pittsburg, Pa.
Tarentum Glass Company, Tarentum, Pa.
United States Glass Company, Pittsburg, Pa.

1503—LAMPS, HYDRO-CARBON.

The Best Street Light Company, Canton, Ohio.
Clayton & Lambert Manufacturing Company, Detroit, Mich.
James L. Howard & Co., Hartford, Conn.
Manhattan Brass Company, New York.
Taylor & Boggis Foundry Company, Cleveland, Ohio.
Welsbach Company, Gloucester, N. J.

1504—LAMPS, INCANDESCENT ELECTRIC.

Electrical Manufacturers' Export Company, New York.
General Electric Company, Schenectady, N. Y.
The Hart Manufacturing Company, Hartford, Conn.
The Hylo Lamp Company, Detroit, Mich.
Kellogg Switchboard and Supply Company, Chicago, Ill.
Pyle-National Electric Headlight Company, Chicago, Ill.
Shelby Electric Company, Shelby, Ohio.
Stanley & Patterson, Inc., New York.
United States Headlight Company, Buffalo, N. Y.
Westinghouse Electric and Manufacturing Company, Pittsburg, Pa.

1505—LAMPS, MARINE.

Adams & Westlake Company, Chicago, Ill.
Peter Gray & Sons, Boston, Mass.
H. A. J. Helvig, New York.
Safety Car Heating and Lighting Company, New York.
Sneath Glass Company, Hartford City, Ind.
Stanley & Patterson, Inc., New York.

1506—LAMPS, PHOTOGRAPHERS'.

J. B. Wise, Watertown, N. Y.

1507—LAMPS, RAILROAD.

Adams & Westlake Company, Chicago, Ill.
The Best Street Light Company, Canton, Ohio.
Dayton Manufacturing Company, Dayton, Ohio.
R. E. Dietz Company, New York.
Peter Gray & Sons, Boston, Mass.
C. T. Ham Manufacturing Company, Rochester, N. Y.
James L. Howard & Co., Hartford, Conn.
Pyle-National Electric Headlight Company, Chicago, Ill.
Safety Car Heating and Lighting Company, New York.
United States Headlight Company, Buffalo, N. Y.

1508—LAMPS, SIGNAL.

Adams & Westlake Company, Chicago, Ill.
Peter Gray & Sons, Boston, Mass.
H. A. J. Helvig, New York.
Sneath Glass Company, Hartford City, Ind.
Stanley & Patterson, Inc., New York.

1509—LAMPS, STREET.

Berger Manufacturing Company, Canton, Ohio.
R. E. Dietz Company, New York.
C. T. Ham Manufacturing Company, Rochester, N. Y.

1509—LAMPS, STREET—Continued.

The J. L. Mott Iron Works, New York.
Practical Gas Construction Company, North Chicago, Ill.
Wheeling Stamping Company, Wheeling, W. Va.
R. D. Wood & Co., Philadelphia, Pa.

1510—LAMPS, STREET, GASOLINE.

The Best Street Light Company, Canton, Ohio.

1511—LAMPBLACKS.

Binney & Smith Company, New York.
Samuel Cabot, Boston, Mass.

1512—LANTERNS.

Adams & Westlake Company, Chicago, Ill.
Berger Manufacturing Company, Canton, Ohio.
Bridgeport Brass Company, Bridgeport, Conn.
Dayton Manufacturing Company, Dayton, Ohio.
R. E. Dietz Company, New York.
Peter Gray & Sons, Boston, Mass.
C. T. Ham Manufacturing Company, Rochester, N. Y.
H. A. J. Helvig, New York.
Manhattan Brass Company, New York.
Edward Miller & Co., Meriden, Conn.
Wheeling Stamping Company, Wheeling, W. Va.
J. B. Wise, Watertown, N. Y.

1513—LANTERNS, RAILROAD AND SHIP.

Adams & Westlake Company, Chicago, Ill.
Dayton Manufacturing Company, Dayton, Ohio.
R. E. Dietz Company, New York.
Peter Gray & Sons, Boston, Mass.
C. T. Ham Manufacturing Company, Rochester, N. Y.
H. A. J. Helvig, New York.
Macbeth-Evans Glass Company, Pittsburg, Pa.
Sneath Glass Company, Hartford City, Ind.

1514—LAP ROBES AND DUSTERS.

L. C. Chase & Co., Boston, Mass.

1515—LARD.

Armour & Co., Chicago, Ill.
The Cudahy Packing Company, New York.
The N. K. Fairbank Company, Chicago, Ill.
G. H. Hammond Company, Chicago, Ill.
Kingan & Co., Ltd., Indianapolis, Ind.
J. H. Michener & Co., Philadelphia, Pa.
Morris & Company, Chicago, Ill.
St. Louis Dressed Beef and Provision Company, St. Louis, Mo.
T. M. Sinclair & Co., Ltd., Cedar Rapids, Iowa.
Swift and Company, Chicago, Ill.

1516—LARD COMPOUND.

American Cotton Oil Company, New York.
The N. K. Fairbank Company, Chicago, Ill.
The Southern Cotton Oil Company, New York.
Virginia-Carolina Chemical Company, Richmond, Va.

1517—LASHES, WHIP.

United States Whip Company, Westfield, Mass.

1518—LASTS AND LAST BLOCKS.

Atwood Brothers, East Whitman, Mass.
Chattanooga Implement and Manufacturing Co., E. Chattanooga, Tenn.
Crawford, McGregor & Canby Company, Dayton, Ohio.
National Novelty Corporation, New York.

1519—LATCHES, DOOR.

Brass Goods Manufacturing Company, Brooklyn, N. Y.
The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
The Miller Lock Company, Philadelphia, Pa.
National Novelty Corporation, New York.
Russell & Erwin Manufacturing Company, New Britain, Conn.
Sargent & Co., New York.
Stover Manufacturing Company, Freeport, Ill.
Wrightsville Hardware Company, Wrightsville, Pa.

1520—LATH.

Francis Beidler & Co., Chicago, Ill.
The Booth Kelly Lumber Company, Eugene, Lane County, Ore.
R. H. Downman, New Orleans, La.
The Ford River Lumber Company, Wells, Mich.
Fuller & Rice Lumber and Manufacturing Company, Grand Rapids, Mich.
Gardner & Lacey Lumber Company, Georgetown, S. C.
Girard Lumber Company, Menominee, Mich.
Charles C. Kellogg & Sons Company, Utica, N. Y.
Manistee Lumber Company, Manistee, Mich.
Massee & Felton Lumber Company, Macon, Ga.
Mershon, Schuette, Parker & Co., Saginaw, Mich.
Northwestern Lumber Company, Eau Claire, Wis.
Pine Tree Lumber Company, Little Falls, Minn.
Ruddock Orleans Cypress Company, Ltd., New Orleans, La.
St. Paul and Tacoma Lumber Company, Tacoma, Wash.
Scott-Graff Lumber Company, Duluth, Minn.
Stimson Mill Company, Ballard, Wash.
Tacoma Mill Company, San Francisco, Cal.
Trinity River Lumber Company, Houston, Texas.
Wheeler & Dusenbury, Endeavor, Pa.
White River Lumber Company, Mason, Wis.
Yellow Poplar Lumber Company, Coal Grove, Ohio.

1521—LATHES, METAL WORKING.

American Tool and Machine Company, Boston, Mass.
Baird Machinery Company, Pittsburg, Pa.
W. F. & John Barnes Company, Rockford, Ill.
Betts Machine Company, Wilmington, Del.
P. Blaisdell & Co., Worcester, Mass.
Blake & Johnson, Waterbury, Conn.
Brown & Sharpe Manufacturing Company, Providence, R. I.
Bullard Machine Tool Company, Bridgeport, Conn.
The W. P. Davis Machine Company, Rochester, N. Y.
A. Garrison Foundry Company, Pittsburg, Pa.
Garvin Machine Company, New York.
Gisholt Machine Company, Madison, Wis.
Edwin Harrington, Son & Co., Inc., Philadelphia, Pa.
Hendey Machine Company, Torrington, Conn.
Howard Iron Works, Buffalo, N. Y.
Lodge & Shipley Machine Tool Company, Cincinnati, Ohio.
Manning, Maxwell & Moore, New York.
Mesta Machine Company, Pittsburg, Pa.

1521—LATHES, METAL WORKING—Continued.

New Haven Manufacturing Company, New Haven, Conn.
Niles-Bement-Pond Company, New York.
Pittsburgh Machine Tool Company, Allegheny, Pa.
Potter & Johnston Machine Company, Pawtucket, R. I.
Prentice Brothers Company, Worcester, Mass.
F. E. Reed Company, Worcester, Mass.
William Sellers & Co., Inc., Philadelphia, Pa.
Seneca Falls Manufacturing Company, Seneca Falls, N. Y.
H. B. Underwood & Co., Philadelphia, Pa.
Warner & Swasey Company, Cleveland, Ohio.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1522—LATHES, WOOD TURNING.

American Machinery and Export Company, New York.
American Steam Pump Company, Battle Creek, Mich.
American Wood Working Machinery Company, New York.
Baird Machinery Company, Pittsburg, Pa.
W. F. & John Barnes Company, Rockford, Ill.
P. Blaisdell & Co., Worcester, Mass.
The Defiance Machine Works, Defiance, Ohio.
J. A. Fay & Egan Company, Cincinnati, Ohio.
Kimball Bros. & Sprague, Brockton, Mass.
Manning, Maxwell & Moore, New York.
New Haven Manufacturing Company, New Haven, Conn.
The Ober Manufacturing Company, Chagrin Falls, Ohio.
F. E. Reed Company, Worcester, Mass.
The Rockwood Manufacturing Company, Indianapolis, Ind.
Seneca Falls Manufacturing Company, Seneca Falls, N. Y.
Trevor Manufacturing Company, Lockport, N. Y.

1523—LATHING, METALLIC.

American Sheet and Tin Plate Company, Pittsburg, Pa.
Merritt & Co., Inc., Philadelphia, Pa.
Michigan Wire Cloth Company, Detroit, Mich.
Muskingum Valley Steel Company, Zanesville, Ohio.

1524—LAUNCHES, ELECTRIC.

Gas Engine and Power Company and Charles L. Seabury & Co., New York.
Truscott Boat Manufacturing Company, St. Joseph, Mich.

1525—LAUNCHES, GASOLINE AND NAPHTHA.

Gas Engine and Power Company and Charles L. Seabury & Co., New York.
Racine Boat Manufacturing Company, Muskegon, Mich.
Truscott Boat Manufacturing Company, St. Joseph, Mich.

1526—LAUNCHES, STEAM.

E. J. Codd Company, Baltimore, Md.
The Johnson Iron Works, Limited, New Orleans, La.
W. H. Mullins, Salem, Ohio.
New York Ship Building Company, Camden, N. J.
Racine Boat Manufacturing Company, Muskegon, Mich.
Truscott Boat Manufacturing Company, St. Joseph, Mich.

1527—LAVATORIES AND FIXTURES.

American Foundry and Furnace Company, Bloomington, Ill.
The Cahill Iron Works, Chattanooga, Tenn.
Dayton Manufacturing Company, Dayton, Ohio.
The Great Western Pottery Company, Kokomo, Ind.
Haines, Jones & Cadbury Company, Philadelphia, Pa.

1527—LAVATORIES AND FIXTURES—Continued.

Hale & Kilburn Manufacturing Company, Philadelphia, Pa.
James L. Howard & Co., Hartford, Conn.
Illinois Malleable Iron Company, Chicago, Ill.
J. M. Kohler Sons Company, Sheboygan, Wis.
Thomas Maddock's Sons Company, Trenton, N. J.
The J. L. Mott Iron Works, New York.
Ohio Brass and Manufacturing Company, Cleveland, Ohio.
The Charles Parker Company, Meriden, Conn.
The Peck Brothers & Co., New Haven, Conn.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
The J. Roylance Brass Works, San Francisco, Cal.
J. J. Ryan & Co., Chicago, Ill.
John Simmons Company, New York.
Standard Sanitary Manufacturing Company, Pittsburg, Pa.
Trenton Potteries Company, Trenton, N. J.
J. B. Wise, Watertown, N. Y.
L. Wolff Manufacturing Company, Chicago, Ill.

1528—LAWN MOWER ATTACHMENTS.

The F. & N. Lawn Mower Company, Richmond, Ind.
Philadelphia Lawn Mower Company, Philadelphia, Pa.

1529—LAWN MOWERS.

(See Mowers, Lawn.)

1530—LAWNS, COTTON.

(See Cotton Lawns.)

1531—LEAD, RED.

Eagle White Lead Company, Cincinnati, Ohio.
W. P. Fuller & Co., San Francisco, Cal.
Heath & Milligan Manufacturing Company, Chicago, Ill.
Eugene E. Nice, Philadelphia, Pa.

1532—LEAD, SHEET AND PIG.

American Smelting and Refining Company, New York.
Balbach Smelting and Refining Company, Newark, N. J.
Coe Brass Manufacturing Company, Torrington, Conn.
Colwell Lead Company, New York.
Duquesne Reduction Company, Pittsburg, Pa.
Fleck Brothers Company, Philadelphia, Pa.
Granby Mining and Smelting Company, St. Louis, Mo.
Hendricks Brothers, New York.
Tacoma Smelting Company, Tacoma, Wash.
Union Metal Company, San Francisco, Cal.

1533—LEAD, TEA.

Colwell Lead Company, New York.
Conley Foil Company, New York.
Lehmaier, Schwartz & Co., New York.

1534—LEAD, WHITE.

Acme White Lead and Color Works, Detroit, Mich.
Adams & Elting Company, Chicago, Ill.
Bridgeport Wood Finishing Company, New Milford, Conn.
Eagle White Lead Company, Cincinnati, Ohio.
Enterprise Paint Manufacturing Company, Chicago, Ill.
Forest City Paint and Varnish Company, Cleveland, Ohio.
Samuel H. French & Co., Philadelphia, Pa.
W. P. Fuller & Co., San Francisco, Cal.

1534—LEAD, WHITE—Continued.

Heath & Milligan Manufacturing Company, Chicago, Ill.
John Lucas & Co., Philadelphia, Pa.
R. McWilliams, Ltd., New Orleans, La.
Eugene E. Nice, Philadelphia, Pa.
The H. F. Taintor Manufacturing Company, New York.

1535—LEATHER FOR BELTING.

Alexander Brothers, Philadelphia, Pa.
American Oak Leather Company, Cincinnati, Ohio.
England, Walton & Co., Inc., Philadelphia, Pa.
Graton & Knight Manufacturing Company, Worcester, Mass.
Kistler, Lesh & Co., Boston, Mass.
Page Belting Company, Concord, N. H.
Charles A. Schieren & Co., New York.
Shultz Belting Company, St. Louis, Mo.
I. B. Williams & Sons, Dover, N. H.

1536—LEATHER, BOOKBINDERS'.

Ashtabula Hide and Leather Company, Ashtabula, Ohio.
A. B. Clark Company, Boston, Mass.
Benjamin V. Harrison, New York.
T. P. Howell & Co., Newark, N. J.
The Howell-Hinchman Company, Middletown, N. Y.
Fred Rueping Leather Company, Fond du Lac, Wis.
Schoellkopf & Co., Buffalo, N. Y.

1537—LEATHER, CALF.

American Leather Company, New York.
Barnet Leather Company, New York.
A. F. Gallun & Sons, Milwaukee, Wis.
Hamburg Cordovan Leather Works, Newark, N. J.
The Howell-Hinchman Company, Middletown, N. Y.
Levor & New, Gloversville, N. Y.
Pfister & Vogel Leather Company, Milwaukee, Wis.
Fred Rueping Leather Company, Fond du Lac, Wis.
Albert Trostel & Sons, Milwaukee, Wis.
Webster & Co., Boston, Mass.
Richard Young Company, New York.

1538—LEATHER, COLT.

Barnet Leather Company, New York.
Corona Kid Company, Boston, Mass.
Hamburg Cordovan Leather Works, Newark, N. J.
John Reilly, Inc., Newark, N. J.
Albert Trostel & Sons, Milwaukee, Wis.

1539—LEATHER, FURNITURE.

American Oak Leather Company, Cincinnati, Ohio.
Ashtabula Hide and Leather Company, Ashtabula, Ohio.
Blanchard Brother & Lane, Newark, N. J.
A. B. Clark Company, Boston, Mass.
T. P. Howell & Co., Newark, N. J.
The Howell-Hinchman Company, Middletown, N. Y.
John Reilly, Inc., Newark, N. J.
P. Rielly & Son, Newark, N. J.
Schoellkopf & Co., Buffalo, N. Y.
Hugh Smith, Inc., Newark, N. J.
Stengel & Rothschild, Newark, N. J.

1540—LEATHER, GLAZED KID AND MOROCCO.

American Leather Company, New York.
Blanchard Brother & Lane, Newark, N. J.
Burk Brothers, Philadelphia, Pa.
Corona Kid Company, Boston, Mass.
Dungan, Hood & Co., Inc., Philadelphia, Pa.
Robert H. Foerderer, Inc., Philadelphia, Pa.
Ford Morocco Company, Boston, Mass.
Hamburg Cordovan Leather Works, Newark, N. J.
McNeely Company, Philadelphia, Pa.
C. J. Matthews & Co., Philadelphia, Pa.
Mitchell & Peirson, Philadelphia, Pa.
Quaker City Morocco Company, Camden, N. J.
Oscar Scherer & Bro., New York.
Surpass Leather Company, Philadelphia, Pa.
Richard Young Company, New York.
Ziegel, Eisman & Co., Newark, N. J.

1541—LEATHER GOODS, ADVERTISING AND FANCY.

(See Novelties, Leather.)

1542—LEATHER GOODS, MECHANICAL.

Detroit Oak Belting Company, Detroit, Mich.
E. F. Houghton & Co., Philadelphia, Pa.
Jewell Belting Company, Hartford, Conn.
Page Belting Company, Concord, N. H.
Charles A. Schieren & Co., New York.

1543—LEATHER, GRAIN, BUFF AND SPLIT.

Barnet Leather Company, New York.
Blanchard Brother & Lane, Newark, N. J.
Corona Kid Company, Boston, Mass.
England, Walton & Co., Inc., Philadelphia, Pa.
A. F. Gallun & Sons, Milwaukee, Wis.
Graton & Knight Manufacturing Company, Worcester, Mass.
Hamburg Cordovan Leather Works, Newark, N. J.
Benjamin V. Harrison, New York.
The Howell-Hinchman Company, Middletown, N. Y.
Levor & New, Gloversville, N. Y.
Pfister & Vogel Leather Company, Milwaukee, Wis.
Schoellkopf & Co., Buffalo, N. Y.
Stengel & Rothschild, Newark, N. J.
Albert Trostel & Sons, Milwaukee, Wis.
Webster & Co., Boston, Mass.
I. B. Williams & Sons, Dover, N. H.
Richard Young Company, New York.

1544—LEATHER, HARNESS AND CARRIAGE.

American Oak Leather Company, Cincinnati, Ohio.
Ashtabula Hide and Leather Company, Ashtabula, Ohio.
Blanchard Brother & Lane, Newark, N. J.
F. W. & F. Carlisle, Saginaw, Mich.
Crandal, Stone & Co., Binghamton, N. Y.
Davis, Medary & Platz Company, La Crosse, Wis.
A. F. Gallun & Sons, Milwaukee, Wis.
Hermann Oak Leather Company, St. Louis, Mo.
J. G. Hoffmann & Sons Company, Wheeling, W. Va.
T. P. Howell & Co., Newark, N. J.
The Howell-Hinchman Company, Middletown, N. Y.
Henry Lang Company, Newark, N. J.

1544—LEATHER, HARNESS AND CARRIAGE—Continued.

Geo. Laub's Sons, Buffalo, N. Y.
New York Leather Belting Company, New York.
Page Belting Company, Concord, N. H.
Pfister & Vogel Leather Company, Milwaukee, Wis.
John Reilly, Inc., Newark, N. J.
P. Rielly & Son, Newark, N. J.
Charles A. Schieren & Co., New York.
Hugh Smith Company, Inc., Newark, N. J.
Stengel & Rothschild, Newark, N. J.
Albert Trostel & Sons, Milwaukee, Wis.

1545—LEATHER, IMITATION.

L. C. Chase & Co., Boston, Mass.
Trenton Oil Cloth and Linoleum Company, Trenton, N. J.

1546—LEATHER, KID, GOAT, KANGAROO AND SHEEP.

American Leather Company, New York.
A. B. Clark Company, Boston, Mass.
Corona Kid Company, Boston, Mass.
Ford Morocco Company, Boston, Mass.
A. F. Gallun & Sons, Milwaukee, Wis.
Hamburg Cordovan Leather Works, Newark, N. J.
The Howell-Hinchman Company, Middletown, N. Y.
Levor & New, Gloversville, N. Y.
C. J. Matthews & Co., Philadelphia, Pa.
Pfister & Vogel Leather Company, Milwaukee, Wis.
Quaker City Morocco Company, Camden, N. J.
Schoellkopf & Co., Buffalo, N. Y.
Richard Young Company, New York.
Ziegel, Eisman & Co., Newark, N. J.

1547—LEATHER, LACE, RAWHIDE.

Bay State Belting Company, Boston, Mass.
Jewell Belting Company, Hartford, Conn.
New York Leather Belting Company, New York.
Page Belting Company, Concord, N. H.
Charles A. Schieren & Co., New York.
Shultz Belting Company, St. Louis, Mo.
I. B. Williams & Sons, Dover, N. H.

1548—LEATHER, MOROCCO, FOR CARRIAGES.

Ashtabula Hide and Leather Company, Ashtabula, Ohio.
Blanchard Brother & Lane, Newark, N. J.
A. B. Clark Company, Boston, Mass.
Corona Kid Company, Boston, Mass.
T. P. Howell & Co., Newark, N. J.
The Howell-Hinchman Company, Middletown, N. Y.
Schoellkopf & Co., Buffalo, N. Y.
Hugh Smith Company, Inc., Newark, N. J.
Stengel & Rothschild, Newark, N. J.

1549—LEATHER, PATENT AND ENAMELED.

American Leather Company, New York.
American Oak Leather Company, Cincinnati, Ohio.
Barnet Leather Company, New York.
Blanchard Brother & Lane, Newark, N. J.
Corona Kid Company, Boston, Mass.
Ford Morocco Company, Boston, Mass.
Hamburg Cordovan Leather Works, Newark, N. J.

1549—LEATHER, PATENT AND ENAMELED—Continued.

T. P. Howell & Co., Newark, N. J.
The Howell-Hinchman Company, Middletown, N. Y.
Henry Lang Company, Newark, N. J.
C. J. Matthews & Co,. Philadelphia, Pa.
John Reilly, Inc., Newark, N. J.
P. Rielly & Son, Newark, N. J.
Oscar Scherer & Bro., New York.
Hugh Smith Company, Inc., Newark, N. J.
Stengel & Rothschild, Newark, N. J.
Albert Trostel & Sons, Milwaukee, Wis.
Webster & Co., Boston, Mass.

1550—LEATHER, POLISHING.

Chicago Wheel and Manufacturing Company, Chicago, Ill.
Divine Brothers Company, Utica, N. Y.
Jewell Belting Company, Hartford, Conn.
Page Belting Company, Concord, N. H.

1551—LEATHER, SOLE.

American Oak Leather Company, Cincinnati, Ohio.
Elk Tanning Company, Ridgway, Elk County, Pa.
Endicott, Johnson Company, Lestershire, N. Y.
England, Walton & Co., Inc., Philadelphia, Pa.
Graton & Knight Manufacturing Company, Worcester, Mass.
Hamburg Cordovan Leather Works, Newark, N. J.
Kistler, Lesh & Co., Boston, Mass.
Page Belting Company, Concord, N. H.
Pfister & Vogel Leather Company, Milwaukee, Wis.
Charles A. Schieren & Co., New York.
I. B. Williams & Sons, Dover, N. H.

1552—LEDGERS, LOOSE LEAF.

Baker-Vawter Company, Chicago, Ill.
Eichbaum Company, Pittsburg, Pa.
William G. Johnston & Co., Pittsburg, Pa.
William Mann Company, Philadelphia, Pa.

1553—LEGGINS, WOOLEN, KNIT.

Cooper, Wells & Co., St. Joseph, Mich.
Max Lowenthal & Brother, Rochester, N. Y.
Mishawaka Woolen Manufacturing Company, Mishawaka, Ind.

1554—LEMON SQUEEZERS.

Arcade Manufacturing Company, Freeport, Ill.
The Griswold Manufacturing Company, Erie, Pa.
National Novelty Corporation, New York.
John Sommer's Son, Newark, N. J.
Stover Manufacturing Company, Freeport, Ill.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.

1555—LENSES, OPTICAL.

American Optical Company, Southbridge, Mass.
Bausch & Lomb Optical Company, Rochester, N. Y.
Corning Glass Works, Corning, N. Y.

1556—LENSES, PHOTOGRAPHIC.

Bausch & Lomb Optical Company, Rochester, N. Y.
Eastman Kodak Company, Rochester, N. Y.
C. P. Goerz Optical Works, New York.
Rochester Optical Company, Rochester, N. Y.
Wollensak Optical Company, Rochester, N. Y.

1557—LENSES, RAILWAY SIGNAL.

Adams & Westlake Company, Chicago, Ill.
Corning Glass Works, Corning, N. Y.
Peter Gray & Sons, Boston, Mass.
Libbey Glass Company, Toledo, Ohio.
Macbeth-Evans Glass Company, Pittsburg, Pa.
Sneath Glass Company, Hartford City, Ind.

1558—LETTER BOXES.

Corbin Cabinet Lock Company, New Britain, Conn.
Forest City Foundry and Manufacturing Company, Cleveland, Ohio.
The Griswold Manufacturing Company, Erie, Pa.
Kelly Foundry and Machine Company, Goshen, Ind.
The Miller Lock Company, Philadelphia, Pa.
Taylor & Boggis Foundry Company, Cleveland, Ohio.
The Vermont Slate Company, Inc., Granville, N. Y.

1559—LEVELS.

Henry Disston & Sons, Inc., Philadelphia, Pa.
C. E. Jennings & Co., New York.
Keuffel & Esser Company, New York.
Stanley Rule and Level Company, New Britain, Conn.
L. S. Starrett Company, Athol, Mass.
Tower & Lyon Company, New York.

1560—LIBRARY EQUIPMENT.

Art Metal Construction Company, Jamestown, N. Y.
Library Bureau, Boston, Mass.

1561—LICORICE, PLAIN AND PREPARED.

Henry Heide, New York.
National Licorice Company, Brooklyn, N. Y.

1562—LIFE-SAVING APPLIANCES.

Armstrong Cork Company, Pittsburg, Pa.
B. F. Goodrich Company, Akron, Ohio.

1563—LIFTS.

(See Elevators.)

1564—LIGHTERS, STEAM.

Gas Engine and Power Company and Charles L. Seabury & Co., New York.
The Johnson Iron Works, Limited, New Orleans, La.

1565—LIGHTNING ARRESTERS.

American Electric Telephone Company, Chicago, Ill.
The Sumter Telephone Manufacturing Company, Sumter, S. C.

1566—LIGHTS, MARINE.

(See Lamps, Marine.)

1567—LIGHTS, PRISMATIC, FOR ARCHITECTURAL IRON WORK.

Penn-American Plate Glass Company, Pittsburg, Pa.
T. A. Rodefer, Bellaire, Ohio.

1568—LIGHTS, SHIP.

Corning Glass Works, Corning, N. Y.
R. E. Dietz Company, New York.
Peter Gray & Sons, Boston, Mass.
H. A. J. Helvig, New York.
The "Long-Arm" System Company, Cleveland, Ohio.
Macbeth-Evans Glass Company, Pittsburg, Pa.
Sneath Glass Company, Hartford City, Ind.

1569—LIGHTS, SIDEWALK.

Berger Manufacturing Company, Canton, Ohio.
The Champion Iron Company, Kenton, Ohio.
Merritt & Co., Inc., Philadelphia, Pa.

1570—LIGHTS, VAULT.

(See Glass, Floor and Skylight.)

1571—LIME.

Gager Lime and Manufacturing Company, Chattanooga, Tenn.
Hammill & Gillespie, New York.
The Holmes Lime Company, San Francisco, Cal.
The Norris & Christian Stone and Lime Company, Marion, Ohio.
Paragon Plaster and Supply Company, Scranton, Pa.
Washington Brick, Lime and Manufacturing Company, Spokane, Wash.

1572—LIMESTONE.

Bessemer Limestone Company, Youngstown, Ohio.
Buffalo Cement Company, Ltd., Buffalo, N. Y.
Franklin Stone Company, Marble Cliff, Ohio.
The Norris & Christian Stone and Lime Company, Marion, Ohio.

1573—LINEN, CELLULOID.

Arlington Company, New York.

1574—LINEN CRASH.

Boott Cotton Mills, Boston, Mass.

1575—LINEN DUCK.

Boott Cotton Mills, Boston, Mass.

1576—LINENS, INDIA.

Berkshire Cotton Manufacturing Company, Adams, Mass.
Potomska Mills Corporation, New Bedford, Mass.

1577—LINES, CLOTHES.

Anniston Cordage Company, Anniston, Ala.
Hooven & Allison Company, Xenia, Ohio.
Schlichter Jute Cordage Company, Philadelphia, Pa.

1578—LINES, COD.

Bibb Manufacturing Company, Macon, Ga.

1579—LINES, TOWING.

Tubbs Cordage Company, San Francisco, Cal.

1580—LINING, CARPET.

Thomas Henry Smith, Jamestown, N. Y.
The Thompson & Norris Company, Brooklyn, N. Y.

1581—LININGS, CLAY, FIREPROOF.

American Sewer Pipe Company, Pittsburg, Pa.
The Bridgeport Crucible Company, Bridgeport, Conn.
Christy Fire Clay Company, St. Louis, Mo.
N. Clark & Sons, San Francisco, Cal.
The Denver Fire Clay Company, Denver, Col.
W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.
Evens & Howard Fire Brick Company, St. Louis, Mo.
Gladding, McBean & Co., San Francisco, Cal.
The Kendrick Promotion Company, Denver, Col.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
Monmouth Mining and Manufacturing Company, Monmouth, Ill.

1581—LININGS, CLAY, FIREPROOF—Continued.

Montague & Co., Chattanooga, Tenn.
Myers Clay Manufacturing Company, Toronto, Ohio.
National Fire Proofing Company, Pittsburg, Pa.
Parker-Russell Mining and Manufacturing Company, St. Louis, Mo.
Robinson Clay Product Company, Akron, Ohio.
H. Stevens' Sons Company, Macon, Ga.
M. D. Valentine & Brother Company, Woodbridge, N. J.

1582—LININGS, COAT.

Brainerd & Armstrong Company, New London, Conn.
The Cedar Cliff Silk Company, Paterson, N. J.
Farr Alpaca Company, Holyoke, Mass.
Folwell, Bro. & Co., Inc., Philadelphia, Pa.
Sauquoit Silk Manufacturing Company, Nicetown, Philadelphia, Pa.
Troy Blanket Mills, Troy, N. H.

1583—LININGS, DRESS.

Astoria Silk Works, Long Island City, N. Y.
Barnard Manufacturing Company, Fall River, Mass.
Berkshire Cotton Manufacturing Company, Adams, Mass.
Brainerd & Armstrong Company, New London, Conn.
Brandon Mills, Greenville, S. C.
Folwell, Bro. & Co., Inc., Philadelphia, Pa.
The King Philip Mills, Fall River, Mass.
Lock Haven Silk Company, Lock Haven, Pa.
Lorraine Manufacturing Company, Pawtucket, R. I.
Manville Company, Providence, R. I.
Millville Manufacturing Company, Philadelphia, Pa.
Potomska Mills Corporation, New Bedford, Mass.
Sauquoit Silk Manufacturing Company, Nicetown, Philadelphia, Pa.
The William Strange Company, New York.
Susquehanna Silk Mills, New York.
Wamsutta Mills, New Bedford, Mass.
Warren Manufacturing Company, Warren, R. I.
Paul Whitin Manufacturing Company, Northbridge, Mass.

1584—LININGS, SOLE.

Carter, Rice & Co., Inc., Boston, Mass.

1585—LINKS AND PINS, COUPLING.

Pittsburg Forge and Iron Company, Pittsburg, Pa.
Transue & Williams Company, Alliance, Ohio.

1586—LINOLEUM.

George W. Blabon Company, Philadelphia, Pa.
Thomas Potter, Sons & Co., Inc., Philadelphia, Pa.
Trenton Oil Cloth and Linoleum Company, Trenton, N. J.

1587—LINOTYPE METAL.

Ajax Metal Company, Philadelphia, Pa.

1588—LINSEED CAKE.

(See Oil Cake, Linseed.)

1589—LINTERS, COTTONSEED.

Continental Gin Company, Inc., Birmingham, Ala.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.

1590—LIQUORS.

Bernheim Distilling Company, Inc., Louisville, Ky.
Freiberg & Workum, Cincinnati, Ohio.
The G. F. Harvey Company, Saratoga Springs, N. Y.
E. C. Hazard & Co., New York.
Paul Jones & Co., Louisville, Ky.
Moore & Sinnott, Philadelphia, Pa.
Wright & Taylor, Louisville, Ky.

1591—LITHARGE.

American Smelting and Refining Company, New York.
Eagle White Lead Company, Cincinnati, Ohio.

1592—LITHOGRAPHERS ON METAL.

Columbia Can Company, St. Louis, Mo.
The Meek Company, Coshocton, Ohio.

1593—LITHOGRAPHIC STONES AND SUPPLIES.

Ault & Wiborg Company, Cincinnati, Ohio.

1594—LITHOGRAPHS.

(See Printers, Lithographic Color.)

1595—LOADERS, HAY.

(See Hay Loaders.)

1596—LOCKERS, METAL.

Art Metal Construction Company, Jamestown, N. Y.
W. J. Clark Company, Salem, Ohio.
Hall's Safe Company, Cincinnati, Ohio.
Merritt & Co., Inc., Philadelphia, Pa.
Michigan Wire Cloth Company, Detroit, Mich.
Miller Lock Company, Philadelphia, Pa.

1597—LOCKS, CAR WINDOW.

P. & F. Corbin, New Britain, Conn.
Dayton Manufacturing Company, Dayton, Ohio.
James L. Howard & Co., Hartford, Conn.
National Lock Washer Company, Newark, N. J.
Russell & Erwin Manufacturing Company, New Britain, Conn.
St. Louis Car Company, St. Louis, Mo.

1598—LOCKS, KEYLESS.

The Chisholm & Moore Manufacturing Company, Cleveland, Ohio.
Corbin Cabinet Lock Company, New Britain, Conn.
The Miller Lock Company, Philadelphia, Pa.
Sargent & Co., New York.

1599—LOCKS, MORTISE, RIM, PAD, ETC.

Brass Goods Manufacturing Company, Brooklyn, N. Y.
Corbin Cabinet Lock Company, New Britain, Conn.
P. & F. Corbin, New Britain, Conn.
John H. Graham & Co., New York.
Grand Rapids Brass Company, Grand Rapids, Mich.
Herring-Hall-Marvin Safe Company, New York.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
James L. Howard & Co., Hartford, Conn.
R. C. Jenkinson & Co., Newark, N. J.
Miller Lock Company, Philadelphia, Pa.
The R. Neumann Hardware Company, Newark, N. J.
Reading Hardware Company, Reading, Pa.

1599—LOCKS, MORTISE, RIM, PAD, ETC.—Continued.

Russell & Erwin Manufacturing Company, New Britain, Conn.
Sargent & Co., New York.
J. H. Sessions & Son, Bristol, Conn.
Smith & Egge Manufacturing Company, Bridgeport, Conn.
Taylor & Boggis Foundry Company, Cleveland, Ohio.
Tower & Lyon Company, New York.
J. B. Wise, Watertown, N. Y.
Yale & Towne Manufacturing Company, New York.

1600—LOCKS, NUT.

National Lock Washer Company, Newark, N. J.
Solid Steel Tool and Forge Company, Pittsburg, Pa.
Verona Tool Works, Pittsburg, Pa.

1601—LOCKS, SWITCH.

Dayton Manufacturing Company, Dayton, Ohio.
Miller Lock Company, Philadelphia, Pa.

1602—LOCKS, TIME, COMBINATION, ETC.

Dayton Manufacturing Company, Dayton, Ohio.
Herring-Hall-Marvin Safe Company, New York.
The Miller Lock Company, Philadelphia, Pa.
Yale & Towne Manufacturing Company, New York.

1603—LOCOMOTIVE PARTS.

American Locomotive Company, New York.
Baldwin Locomotive Works, Philadelphia, Pa.
Damascus Bronze Company, Pittsburg, Pa.
Detroit Lubricator Company, Detroit, Mich.
The Dimmick Pipe Company, Birmingham, Ala.
Gould Coupler Company, New York.
Kelly & Jones Company, New York.
The Mason Regulator Company, Boston, Mass.
Michigan Lubricator Company, Detroit, Mich.
Midvale Steel Company, Philadelphia, Pa.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
Pittsburgh Forge and Iron Company, Pittsburg, Pa.
William Powell Company, Cincinnati, Ohio.
Pratt & Letchworth Company, Buffalo, N. Y.
Simplex Railway Appliance Company, Hammond, Ind.
Taylor Iron and Steel Company, High Bridge, N. J.
Transue & Williams Company, Alliance, Ohio.
Union Steel Casting Company, Pittsburg, Pa.

1604—LOCOMOTIVES, COMPRESSED AIR.

American Locomotive Company, New York.
Baldwin Locomotive Works, Philadelphia, Pa.
H. K. Porter Company, Pittsburg, Pa.

1605—LOCOMOTIVES, ELECTRIC.

Baldwin Locomotive Works, Philadelphia, Pa.
J. G. Brill Company, Philadelphia, Pa.
Jeffrey Manufacturing Company, Columbus, Ohio.
McGuire-Cummings Manufacturing Company, Chicago, Ill.
Morgan-Gardner Electric Company, Chicago, Ill.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Robins Conveying Belt Company, New York.

1606—LOCOMOTIVES, MINE AND PLANTATION.

American Locomotive Company, New York.
Baldwin Locomotive Works, Philadelphia, Pa.
Jeffrey Manufacturing Company, Columbus, Ohio.
The Lima Locomotive and Machine Company, Lima, Ohio.
Marshutz & Cantrell, San Francisco, Cal.
The Mine and Smelter Supply Company, Denver, Col.
Morgan-Gardner Electric Company, Chicago, Ill.
Wm. J. Oliver Manufacturing Company, Knoxville, Tenn.
H. K. Porter Company, Pittsburg, Pa.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Robinson Machine Company, Monongahela, Pa.
Rogers Locomotive Works, Paterson, N. J.
Vulcan Iron Works, Wilkes-Barre, Pa.

1607—LOCOMOTIVES, OIL BURNING.

American Locomotive Company, New York.
Baldwin Locomotive Works, Philadelphia, Pa.

1608—LOCOMOTIVES, REBUILDERS OF.

Southern Iron and Equipment Company, Atlanta, Ga.

1609—LOCOMOTIVES, STEAM.

American Locomotive Company, New York.
Baldwin Locomotive Works, Philadelphia, Pa.
F. M. Hicks & Co., Chicago, Ill.
The Lima Locomotive and Machine Company, Lima, Ohio.
H. K. Porter Company, Pittsburg, Pa.
Rogers Locomotive Works, Paterson, N. J.

1610—LOOM CARDS, JACQUARD.

C. F. Crehore & Son, Boston, Mass.

1611—LOOM STRAPS.

(See Straps, Loom.)

1612—LOOMS.

Crompton & Knowles Loom Works, Worcester, Mass.
Draper Company, Hopedale, Mass.
Mason Machine Works, Taunton, Mass.
Schaum & Uhlinger, Philadelphia, Pa.
Whitin Machine Works, Whitinsville, Mass.

1613—LOOMS, JACQUARD.

Schaum & Uhlinger, Philadelphia, Pa.

1614—LORGNETTES.

Leonard Krower, New Orleans, La.

1615—LUBRICATORS.

American Injector Company, Detroit, Mich.
H. Belfield & Co., Philadelphia, Pa.
Detroit Lubricator Company, Detroit, Mich.
Kelly & Jones Company, New York.
John E. Lonergan & Co., Philadelphia, Pa.
Lunkenheimer Company, Cincinnati, Ohio.
McRae & Roberts Company, Detroit, Mich.
Michigan Lubricator Company, Detroit, Mich.
William Powell Company, Cincinnati, Ohio.
Sherwood Manufacturing Company, Buffalo, N. Y.

1616—LUMBER, CEDAR.

Atlas Lumber and Shingle Company, Seattle, Wash.
Francis Beidler & Co., Chicago, Ill.
Bennett Hardwood Lumber Company, Memphis, Tenn.
Briggs & Cooper Company, Ltd., Saginaw, Mich.
Geo. D. Emery Company, Chelsea, Mass.
The Ford River Lumber Company, Wells, Mich.
Edward Germain, Saginaw, Mich.
Grays Harbor Commercial Company, San Francisco, Cal.
McVay and Bolcom Lumber Company, Ballard, Wash.
Mengel Box Company, Louisville, Ky.
Pope & Talbot, San Francisco, Cal.
Robinson Manufacturing Company, Everett, Wash.
John L. Roper Lumber Company, Norfolk, Va.
St. Paul and Tacoma Lumber Company, Tacoma, Wash.
Stetson & Post Mill Company, Seattle, Wash.
Stimson Mill Company, Ballard, Wash.
Tacoma Mill Company, San Francisco, Cal.
S. B. Vrooman Company, Ltd., Philadelphia, Pa.
Weyerhaeuser Timber Company, Tacoma, Wash.
The Wheeler Osgood Company, Tacoma, Wash.

1617—LUMBER, CORK WHITE PINE.

Rust-Owen Lumber Company, Drummond, Wis.

1618—LUMBER, CYPRESS.

Francis Beidler & Co., Chicago, Ill.
J. A. Bel Lumber Company, Ltd., Lake Charles, La.
Bennett Hardwood Lumber Company, Memphis, Tenn.
Briggs & Cooper Company, Ltd., Saginaw, Mich.
Butters Lumber Company, Boardman, Columbus County, N. C.
Cape Fear Lumber Company, New York.
I. M. Darnell & Son Company, Memphis, Tenn.
R. H. Downman, New Orleans, La.
Florence Pump and Lumber Company, Memphis, Tenn.
Gardner & Lacey Lumber Company, Georgetown, S. C.
The Gebert Shingle Company, Ltd., New Iberia, La.
Himmelberger-Harrison Lumber Company, Morehouse, Mo.
Long-Knight Lumber Company, Indianapolis, Ind.
Paepcke-Leicht Lumber Company, Chicago, Ill.
The Red Cypress Lumber Company, Macon, Ga.
Ruddock Orleans Cypress Company, Ltd., New Orleans, La.
Salmen Brick and Lumber Company, Slidell, La.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.
Trinity River Lumber Company, Houston, Texas.

1619—LUMBER DRYERS.

(See Dryers, Brick and Lumber.)

1620—LUMBER, FIR AND SPRUCE.

Atlas Lumber and Shingle Company, Seattle, Wash.
Francis Beidler & Co., Chicago, Ill.
The Booth Kelly Lumber Company, Eugene, Lane County, Ore.
Eastern and Western Lumber Company, Portland, Ore.
Grays Harbor Commercial Company, San Francisco, Cal.
Hammond Lumber Company, San Francisco, Cal.
C. A. Hooper & Co., San Francisco, Cal.
Inman, Poulsen & Co., Portland, Ore.
Charles C. Kellogg & Sons Company, Utica, N. Y.
The Lord & Bushnell Company, Chicago, Ill.

1620—LUMBER, FIR AND SPRUCE—Continued.

McVay & Bolcom Lumber Company, Ballard, Wash.
Moran Bros. Company, Seattle, Wash.
The Charles Nelson Company, San Francisco, Cal.
John C. Orr & Co., Brooklyn, N. Y.
Pope & Talbot, San Francisco, Cal.
Portland Lumber Company, Portland, Ore.
Robinson Manufacturing Company, Everett, Wash.
St. Paul and Tacoma Lumber Company, Tacoma, Wash.
Stetson & Post Mill Company, Seattle, Wash.
Stimson Mill Company, Ballard, Wash.
Tacoma Mill Company, San Francisco, Cal.
Weyerhaeuser Timber Company, Tacoma, Wash.
The Wheeler Osgood Company, Tacoma, Wash.

1621—LUMBER, GUM.

(See Lumber, Satin Walnut.)

1622—LUMBER, HARDWOOD.

Adams & Raymond, Indianapolis, Ind.
E. D. Albro Company, Cincinnati, Ohio.
Anderson-Tully Company, Memphis, Tenn.
Atlas Lumber and Shingle Company, Seattle, Wash.
Francis Beidler & Co., Chicago, Ill.
Bennett Hardwood Lumber Company, Memphis, Tenn.
Briggs & Cooper Company, Limited, Saginaw, Mich.
J. M. Card Lumber Company, East End, Chattanooga, Tenn.
Crane & MacMahon, New York.
I. M. Darnell & Son Company, Memphis, Tenn.
Geo. D. Emery Company, Chelsea, Mass.
The M. B. Farrin Lumber Company, Cincinnati, Ohio.
Florence Pump and Lumber Company, Memphis, Tenn.
Florence Wagon Works, Florence, Ala.
The N. C. Foster Lumber Company, Fairchild, Wis.
Edward Germain, Saginaw, Mich.
H. Herrmann, New York.
Himmelberger-Harrison Lumber Company, Morehouse, Mo.
Hoffman Brothers Company, Fort Wayne, Ind.
Indiana Lumber and Veneer Company, Indianapolis, Ind.
Elisha K. Kane, Kushequa, Pa.
Charles C. Kellogg & Sons Company, Utica, N. Y.
The Kneeland-Bigelow Company, Bay City, Mich.
La Follette Coal, Iron and Railway Company, La Follette, Tenn.
Long-Knight Lumber Company, Indianapolis, Ind.
The Loomis & Hart Manufacturing Company, Chattanooga, Tenn.
Hugh McLean Lumber Company, Buffalo, N. Y.
Mengel Box Company, Louisville, Ky.
Moran Bros. Company, Seattle, Wash.
The Nigh Lumber Company, Ironton, Ohio.
Northwestern Lumber Company, Eau Claire, Wis.
John C. Orr & Co., Brooklyn, N. Y.
Paepcke-Leicht Lumber Company, Chicago, Ill.
Paine Lumber Company, Ltd., Oshkosh, Wis.
Perrine Armstrong Company, Fort Wayne, Ind.
The Red Cypress Lumber Company, Macon, Ga.
Rhinesmith & Simonson, Fort Wayne, Ind.
Robinson Manufacturing Company, Everett, Wash.
Rust-Owen Lumber Company, Drummond, Wis.
Scott-Graff Lumber Company, Duluth, Minn.

1622—LUMBER, HARDWOOD—Continued.

J. M. Skinner Bending Company, Toledo, Ohio.
Standard Hoop Company, Ltd., West Bay City, Mich.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.
S. B. Vrooman Company, Ltd., Philadelphia, Pa.
Wheeler & Dusenbury, Endeavor, Pa.
The T. Wilce Company, Chicago, Ill.
C. L. Willey, Chicago, Ill.
W. D. Young & Co., West Bay City, Mich.

1623—LUMBER, HEMLOCK.

Barclay Brothers, Sinnamahoning, Pa.
Francis Beidler & Co., Chicago, Ill.
Louis Bossert & Son, Brooklyn, N. Y.
Collins, Darrah & Co., Nebraska, Forest County, Pa.
Edward Germain, Saginaw, Mich.
Edward Hines Lumber Company, Chicago, Ill.
C. B. Howard Company, Emporium, Pa.
Elisha K. Kane, Kushequa, Pa.
Charles C. Kellogg & Sons Company, Utica, N. Y.
The Kneeland-Bigelow Company, Bay City, Mich.
The Lord & Bushnell Company, Chicago, Ill.
Manistee Lumber Company, Manistee, Mich.
Northwestern Lumber Company, Eau Claire, Wis.
Rust-Owen Lumber Company, Drummond, Wis.
Wheeler & Dusenbury, Endeavor, Pa.

1624—LUMBER, HICKORY.

Francis Beidler & Co., Chicago, Ill.
Briggs & Cooper Company, Ltd., Saginaw, Mich.
J. M. Card Lumber Company, East End, Chattanooga, Tenn.
Crane & MacMahon, New York.
Perrine Armstrong Company, Fort Wayne, Ind.
J. M. Skinner Bending Company, Toledo, Ohio.

1625—LUMBER, MAHOGANY.

E. D. Albro Company, Cincinnati, Ohio.
Geo. D. Emery Company, Chelsea, Mass.
Edward Germain, Saginaw, Mich.
Charles C. Kellogg & Sons Company, Utica, N. Y.
Hugh McLean Lumber Company, Buffalo, N. Y.
S. B. Vrooman Company, Ltd., Philadelphia, Pa.
C. L. Willey, Chicago, Ill.

1626—LUMBER, MAPLE.

Adams & Raymond, Indianapolis, Ind.
Francis Beidler & Co., Chicago, Ill.
Bliss & Van Auken, Saginaw, Mich.
Briggs & Cooper Company, Limited, Saginaw, Mich.
S. L. Eastman Flooring Company, Saginaw, Mich.
The N. C. Foster Lumber Company, Fairchild, Wis.
Edward Germain, Saginaw, Mich.
The Kneeland-Bigelow Company, Bay City, Mich.
Hugh McLean Lumber Company, Buffalo, N. Y.
W. D. Young & Co., Bay City, W. S., Mich.

1627—LUMBER, NORTH CAROLINA PINE.

Butters Lumber Company, Boardman, Columbus County, N. C.
Camp Manufacturing Company, Franklin, Southampton County, Va.
Cape Fear Lumber Company, New York.
John L. Roper Lumber Company, Norfolk, Va.

1628—LUMBER, PITCH PINE.

(See Lumber, Yellow Pine.)

1629—LUMBER, POPLAR, BASSWOOD AND COTTONWOOD.

Adams & Raymond, Indianapolis, Ind.
Francis Beidler & Co., Chicago, Ill.
Briggs & Cooper Company, Limited, Saginaw, Mich.
C. Crane & Co., Cincinnati, Ohio.
I. M. Darnell & Son Company, Memphis, Tenn.
The M. B. Farrin Lumber Company, Cincinnati, Ohio.
Florence Wagon Works, Florence, Ala.
The N. C. Foster Lumber Company, Fairchild, Wis.
The Kneeland-Bigelow Company, Bay City, Mich.
La Follette Coal, Iron and Railway Company, La Follette, Tenn.
The Loomis & Hart Manufacturing Company, Chattanooga, Tenn.
Mershon, Schuette, Parker & Co., Saginaw, Mich.
The Nigh Lumber Company, Ironton, Ohio.
The Parkersburg Mill Company, Parkersburg, W. Va.
Rhinesmith & Simonson, Fort Wayne, Ind.
Yellow Poplar Lumber Company, Coal Grove, Ohio.

1630—LUMBER, RED PINE.

Alger, Smith & Co., Duluth, Minn.
Francis Beidler & Co., Chicago, Ill.
Cleveland Saw Mill and Lumber Company, Cleveland, Ohio.
The Lord & Bushnell Company, Chicago, Ill.
Rhinesmith & Simonson, Fort Wayne, Ind.
C. A. Smith Lumber Company, Minneapolis, Minn.

1631—LUMBER, REDWOOD.

Albion Lumber Company, San Francisco, Cal.
Hammond Lumber Company, San Francisco, Cal.
C. A. Hooper & Co., San Francisco, Cal.
McKay & Co., San Francisco, Cal.
Minor Mill and Lumber Company, Arcata, Humboldt County, Cal.
The Charles Nelson Company, San Francisco, Cal.
Pacific Lumber Company, San Francisco, Cal.
Union Lumber Company, San Francisco, Cal.

1632—LUMBER, SATIN WALNUT.

Adams & Raymond, Indianapolis, Ind.
Francis Beidler & Co., Chicago, Ill.
Briggs & Cooper Company, Limited, Saginaw, Mich.
Butters Lumber Company, Boardman, Columbus County, N. C.
Himmelberger-Harrison Lumber Company, Morehouse, Mo.
Long-Knight Lumber Company, Indianapolis, Ind.
Paepcke-Leicht Lumber Company, Chicago, Ill.
The C. W. Robinson Lumber Company, New Orleans, La.

1633—LUMBER, THIN CUT.

Adams & Raymond, Indianapolis, Ind.
Hoffman Brothers Company, Fort Wayne, Ind.
Indiana Lumber and Veneer Company, Indianapolis, Ind.
Hugh McLean Lumber Company, Buffalo, N. Y.
Scott-Graff Lumber Company, Duluth, Minn.
Tacoma Mill Company, San Francisco, Cal.
C. L. Willey, Chicago, Ill.

1634—LUMBER TRIMMERS.

California Saw Works, San Francisco, Cal.
Curtis & Co. Manufacturing Company, St. Louis, Mo.

1634—LUMBER TRIMMERS—Continued.

De Loach Mill Manufacturing Company, Atlanta, Ga.
Filer & Stowell Company, Milwaukee, Wis.
The M. Garland Company, Bay City, Mich.
Giddings & Lewis Manufacturing Company, Fond du Lac, Wis.
Lane Manufacturing Company, Montpelier, Vt.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
Manning, Maxwell & Moore, New York.
Wm. B. Mershon & Co., Saginaw, Mich.
John S. Oram, Cleveland, Ohio.
Perkins & Co., Grand Rapids, Mich.
John Royle & Sons, Paterson, N. J.
H. N. Strait Manufacturing Company, Kansas City, Kan.
Wheland Machine Works, Chattanooga, Tenn.
S. A. Woods Machine Company, South Boston, Mass.

1635—LUMBER, WHITE OAK.

Adams & Raymond, Indianapolis, Ind.
Anderson-Tully Company, Memphis, Tenn.
Francis Beidler & Co., Chicago, Ill.
Bennett Hardwood Lumber Company, Memphis, Tenn.
Briggs & Cooper Company, Ltd., Saginaw, Mich.
Collins, Darrah & Co., Nebraska, Forest County, Pa.
C. Crane & Co., Cincinnati, Ohio.
Crane & MacMahon, New York.
I. M. Darnell & Son Company, Memphis, Tenn.
The M. B. Farrin Lumber Company, Cincinnati, Ohio.
Florence Pump and Lumber Company, Memphis, Tenn.
Florence Wagon Works, Florence, Ala.
The N. C. Foster Lumber Company, Fairchild, Wis.
H. Herrmann, New York.
Himmelberger-Harrison Lumber Company, Morehouse, Mo.
Hoffman Brothers Company, Fort Wayne, Ind.
Indiana Lumber and Veneer Company, Indianapolis, Ind.
Elisha K. Kane, Kushequa, Pa.
Long-Knight Lumber Company, Indianapolis, Ind.
The Loomis & Hart Manufacturing Company, Chattanooga, Tenn.
Hugh McLean Lumber Company, Buffalo, N. Y.
The Nigh Lumber Company, Ironton, Ohio.
Paepcke-Leicht Lumber Company, Chicago, Ill.
Paine Lumber Company, Ltd., Oshkosh, Wis.
The Parkersburg Mill Company, Parkersburg, W. Va.
J. E. Patterson & Co., Wilkes-Barre, Pa.
Perrine Armstrong Company, Fort Wayne, Ind.
Rhinesmith & Simonson, Fort Wayne, Ind.
Scott-Graff Lumber Company, Duluth, Minn.
Wheeler & Dusenbury, Endeavor, Pa.

1636—LUMBER, WHITE PINE.

Alger, Smith & Co., Duluth, Minn.
Francis Beidler & Co., Chicago, Ill.
Briggs & Cooper Company, Limited, Saginaw, Mich.
Cleveland Saw Mill and Lumber Company, Cleveland, Ohio.
Collins, Darrah & Co., Nebraska, Forest County, Pa.
The Ford River Lumber Company, Wells, Mich.
Fuller & Rice Lumber and Manufacturing Company, Grand Rapids, Mich.
Edward Germain, Saginaw, Mich.
Girard Lumber Company, Menominee, Mich.
Edward Hines Lumber Company, Chicago, Ill.

1636—LUMBER, WHITE PINE—Continued.

Elisha K. Kane, Kushequa, Pa.
Charles C. Kellogg & Sons Company, Utica, N. Y.
Laird, Norton Co., Winona, Minn.
Land, Log and Lumber Company, Milwaukee, Wis.
The Lord & Bushnell Company, Chicago, Ill.
Manistee Lumber Company, Manistee, Mich.
Mershon, Schuette, Parker & Co., Saginaw, Mich.
Montgomery Brothers & Co., Buffalo, N. Y.
Northwestern Lumber Company, Eau Claire, Wis.
Paine Lumber Company, Ltd., Oshkosh, Wis.
J. E. Patterson & Co., Wilkes-Barre, Pa.
Pine Tree Lumber Company, Little Falls, Minn.
Rhinesmith & Simonson, Fort Wayne, Ind.
Rust-Owen Lumber Company, Drummond, Wis.
Scott-Graff Lumber Company, Duluth, Minn.
Shevlin Carpenter Co., Minneapolis, Minn.
C. A. Smith Lumber Company, Minneapolis, Minn.
C. A. Smith Timber Company, Minneapolis, Minn.
Split Rock Lumber Company, Duluth, Minn.
Wheeler & Dusenbury, Endeavor, Pa.
White River Lumber Company, Mason, Wis.

1637—LUMBER, YELLOW PINE.

D. W. Alderman & Sons Company, Alcolu, S. C.
Francis Beidler & Co., Chicago, Ill.
J. A. Bel Lumber Company, Ltd., Lake Charles, La.
Bering Manufacturing Company, Inc., Houston, Tex.
The Booth Kelly Lumber Company, Eugene, Lane County, Ore.
Louis Bossert & Son, Brooklyn, N. Y.
Bradley-Ramsay Lumber Company, Lake Charles, La.
J. M. Card Lumber Company, East End, Chattanooga, Tenn.
Eastman, Gardiner & Co., Laurel, Miss.
Enterprise Lumber Company, Atlanta, Ga.
Florence Wagon Works, Florence, Ala.
Gardner & Lacey Lumber Company, Georgetown, S. C.
The Hallack & Howard Lumber Company, Denver, Col.
Inman, Poulsen & Co., Portland, Ore.
Lock, Moore & Co., Ltd., Westlake, La.
The Loomis & Hart Manufacturing Company, Chattanooga, Tenn.
The Lord & Bushnell Company, Chicago, Ill.
Massee & Felton Lumber Company, Macon, Ga.
Moran Bros. Company, Seattle, Wash.
John C. Orr & Co., Brooklyn, N. Y.
Portland Lumber Company, Portland, Ore.
The Red Cypress Lumber Company, Macon, Ga.
Rhinesmith & Simonson, Fort Wayne, Ind.
J. S. & W. M. Rice, Hyatt, Tex.
The C. W. Robinson Lumber Company, New Orleans, La.
Salmen Brick and Lumber Company, Slidell, La.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.
E. G. Swartz Company, Limited, Swartz, La.
Trinity River Lumber Company, Houston, Texas.
Union Lumber Company, San Francisco, Cal.

1638—LYE.

Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

1639—MACHETES.

(See Knives, Cane.)

1640—MACHINERY, ABATTOIR.

(See Machinery, Slaughter and Packing House.)

1641—MACHINES, ADDING.

Comptograph Company, Chicago, Ill.
Fay-Sholes Company, Chicago, Ill.

1642—MACHINES, ADDRESSING.

The Challenge Machinery Company, Grand Haven, Mich.
The Elliott Company, Boston, Mass.

1643—MACHINERY, AGRICULTURAL IMPLEMENT MAKERS'.

Birmingham Iron Foundry, Derby, Conn.
J. A. Fay & Egan Company, Cincinnati, Ohio.

1644—MACHINERY, BAKERS'.

Barbour Stockwell Company, Cambridgeport, Mass.
Thomas Mills & Brother, Inc., Philadelphia, Pa.
J. Henry Mitchell, Philadelphia, Pa.
The J. W. Ruger Manufacturing Company, Buffalo, N. Y.
Todd Manufacturing Company, New Albany, Ind.
Werner & Pfleiderer, Saginaw, Mich.

1645—MACHINES, BALLING.

(See Balling Machines for Twine.)

1646—MACHINERY, BARK MILL.

W. J. Clark Company, Salem, Ohio.
The Sandy Hill Iron and Brass Works, Sandy Hill, N. Y.
Taylor, Stiles & Co., Riegelsville, N. J.

1647—MACHINERY, BASKET.

St. Joseph Iron Works, St. Joseph, Mich.

1648—MACHINERY, BEET SUGAR.

Bartlett, Hayward & Co., Baltimore, Md.
The Platt Iron Works Company, Dayton, Ohio.

1649—MACHINERY, BELT MAKERS'.

Vaughn Machine Company, Peabody, Mass.

1650—MACHINERY, BENDING.

The Defiance Machine Works, Defiance, Ohio.
Long & Allstatter Company, Hamilton, Ohio.
Manning, Maxwell & Moore, New York.
The Morgan Engineering Company, Alliance, Ohio.
National Machinery Company, Tiffin, Ohio.
Niagara Machine and Tool Works, Buffalo, N. Y.
Niles-Bement-Pond Company, New York.
Pittsburgh Manufacturing Company, Pittsburg, Pa.
John Robertson & Co., Brooklyn, N. Y.
J. M. Robinson Manufacturing Company, Cincinnati, Ohio.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Watson-Stillman Company, New York.
Wickes Brothers, Saginaw, Mich.

1651—MACHINERY, BICYCLE.

Blake & Johnson, Waterbury, Conn.
Ferracute Machine Company, Bridgeton, N. J.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1652—MACHINES, BILLING.

Elliott-Fisher Company, New York.
Remington Typewriter Company, New York.

1653—MACHINERY, BLEACHING.

H. W. Butterworth & Sons Company, Philadelphia, Pa.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.

1654—MACHINERY, BOLT AND NUT.

Acme Machinery Company, Cleveland, Ohio.
Detrick & Harvey Machine Company, Baltimore, Md.
Howard Iron Works, Buffalo, N. Y.
Manning, Maxwell & Moore, New York.
National Machinery Company, Tiffin, Ohio.
New Haven Manufacturing Company, New Haven, Conn.
William Sellers & Co., Inc., Philadelphia, Pa.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Williams, White & Co., Moline, Ill.

1655—MACHINERY, BOOKBINDERS'.

Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
The W. O. Hickok Manufacturing Company, Harrisburg, Pa.
The Seybold Machine Company, Dayton, Ohio.
The Sigourney Tool Company, Hartford, Conn.
The Samuel C. Tatum Company, Cincinnati, Ohio.

1656—MACHINES, BOTTLE WASHING.

S. S. Wenzell Machine Company, Philadelphia, Pa.

1657—MACHINES, BOTTLING.

Bishop and Babcock Company, Cleveland, Ohio.
Liquid Carbonic Company, Chicago, Ill.
John Sommer's Son, Newark, N. J.
S. S. Wenzell Machine Company, Philadelphia, Pa.
Yawman & Erbe Manufacturing Company, Rochester, N. Y.

1658—MACHINERY, BOX MAKING.

The Berlin Machine Works, Beloit, Wis.
J. A. Fay & Egan Company, Cincinnati, Ohio.
S. A. Woods Machine Company, South Boston, Mass.

1659—MACHINES, BOX NAILING.

Estate of William S. Doig, Brooklyn, N. Y.

1660—MACHINES, BOX AND PACKAGE FILLING.

Burt Machine Company, Baltimore, Md.

1661—MACHINERY, BRAIDING.

New England Butt Company, Providence, R. I.
Textile Machine Works, Reading, Pa.

1662—MACHINERY, BREWERY AND DISTILLERY.

John B. Adt, Baltimore, Md.
Buffalo Forge Company, Buffalo, N. Y.
Christopher Cunningham, Brooklyn, N. Y.
The Goulds Manufacturing Company, Seneca Falls, N. Y
The I. & E. Greenwald Company, Cincinnati, Ohio.
Hersey Manufacturing Company, South Boston, Mass.
Hoffman-Ahlers Company, Inc., Cincinnati, Ohio.
Kaestner & Co., Inc., Chicago, Ill.
James McNeil & Bro. Company, Pittsburg, Pa.

1662—MACHINERY, BREWERY AND DISTILLERY—Continued.

Nordyke & Marmon Company, Indianapolis, Ind.
A. H. Peirce Manufacturing Company, Chicago, Ill.
Riter-Conley Manufacturing Company, Pittsburg, Pa.
The Joseph Schneible Company, New York.
Sugar Apparatus Manufacturing Company, Philadelphia, Pa.
John Trageser Steam Copper Works, New York.
Union Steam Pump Company, Battle Creek, Mich.
Yawman & Erbe Manufacturing Company, Rochester, N. Y.

1663—MACHINERY, BRICK MAKING.

Bonnot Company, Canton, Ohio.
Chambers Bros. Company, Philadelphia, Pa.
Green's Car Wheel Manufacturing Company, St. Louis, Mo.
The Griffith & Wedge Company, Zanesville, Ohio.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
The C. W. Raymond Company, Dayton, Ohio.
Milton F. Williams Manufacturing Company, St. Louis, Mo.

1664—MACHINERY, BRONZING.

John Waldron Company, New Brunswick, N. J.

1665—MACHINERY, BRUSH.

John Waldron Company, New Brunswick, N. J.

1666—MACHINERY, BUFFING.

(See Machinery, Grinding and Polishing.)

1667—MACHINERY, BUTTON.

John Waldron Company, New Brunswick, N. J.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1668—MACHINES, BUTTON HOLE AND BUTTON SEWING.

Standard Sewing Machine Company, Cleveland, Ohio.

1669—MACHINERY, CABLING.

Chase Machine Company, Cleveland, Ohio.
New England Butt Company, Providence, R. I.
Textile Machine Works, Reading, Pa.
Watson Machine Company, Paterson, N. J.

1670—MACHINES, CALENDERING.

H. W. Butterworth & Sons Company, Philadelphia, Pa.
Cyrus Currier & Sons, Newark, N. J.
Farrel Foundry and Machine Company, Ansonia, Conn.
Lobdell Car Wheel Company, Wilmington, Del.
George M. Newhall Engineering Company, Ltd., Philadelphia, Pa.
Pusey & Jones Company, Wilmington, Del.
Textile Machine Works, Reading, Pa.
John Waldron Company, New Brunswick, N. J.

1671—MACHINERY, CAN MAKERS'.

Ferracute Machine Company, Bridgeton, N. J.
Niagara Machine and Tool Works, Buffalo, N. Y.

1672—MACHINERY, CANDLE.

Houchin & Huber, Brooklyn, N. Y.

1673—MACHINERY, CANNERY.

Burt Machine Company, Baltimore, Md.
Remington Machine Company, Wilmington, Del.
The Sinclair Scott Company, Baltimore, Md.
The Vulcan Iron Works, Seattle, Wash.

1674—MACHINES, CAR DUMPING AND UNLOADING.

Brown Hoisting Machinery Company, Cleveland, Ohio.
Lane Manufacturing Company, Montpelier, Vt.
McMyler Manufacturing Company, Cleveland, Ohio.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
The Springfield Bridge and Iron Company, Springfield, Ill.
Sullivan Machinery Company, Chicago, Ill.
Western Wheeled Scraper Company, Aurora, Ill.

1675—MACHINES, CAR LOADING.

Brown Hoisting Machinery Company, Cleveland, Ohio.
Duncan Foundry and Machine Works, Alton, Ill.
Lane Manufacturing Company, Montpelier, Vt.
Western Wheeled Scraper Company, Aurora, Ill.

1676—MACHINERY, CARBON AND CREPE PAPER.

John Waldron Company, New Brunswick, N. J.

1677—MACHINERY, CARDING.

James Barker, Philadelphia, Pa.
Whitin Machine Works, Whitinsville, Mass.

1678—MACHINERY, CARPET.

Curtis & Marble Machine Company, Worcester, Mass.

1679—MACHINERY, CARRIAGE AND CAR SPRING.

Coulter & McKenzie Machine Company, Bridgeport, Conn.
The Garvin Machine Company, New York.

1680—MACHINERY, CARRIAGE AND WAGON.

(See also Machinery, Woodworking.)
The Defiance Machine Works, Defiance, Ohio.
J. A. Fay & Egan Company, Cincinnati, Ohio.

1681—MACHINERY, CARTRIDGE.

Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1682—MACHINERY, CEMENT AND PLASTER.

Allis-Chalmers Company, Chicago, Ill.
C. O. Bartlett & Snow Company, Cleveland, Ohio.
Bonnot Company, Canton, Ohio.
Green's Car Wheel Manufacturing Company, St. Louis, Mo.
The Reeves Brothers Company, Alliance, Ohio.
Tippett & Wood, Phillipsburg, N. J.
Vulcan Iron Works, Wilkes-Barre, Pa.
Milton F. Williams Manufacturing Company, St. Louis, Mo.

1683—MACHINES, CENTRIFUGAL, SUGAR.

(See also Machinery, Sugar House.)
American Tool and Machine Company, Boston, Mass.
Blymyer Iron Works Company, Cincinnati, Ohio.

1684—MACHINERY, CEREAL PREPARING.

C. O. Bartlett & Snow Company, Cleveland, Ohio.

1685—MACHINERY, CHAIN MAKING.

Coulter & McKenzie Machine Company, Bridgeport, Conn.
The A. H. Nilson Machine Company, Bridgeport, Conn.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1686—MACHINES, CHANGE MAKING, AUTOMATIC (FOR PAYING MONEY).

Brandt Cashier Company, Chicago, Ill.

1687—MACHINES, CHARGING, ELECTRIC.

The Morgan Engineering Company, Alliance, Ohio.

1688—MACHINES, CHEESE CUTTING.

Computing Scale Company, Dayton, Ohio.

1689—MACHINERY, CHEMICAL.

Hoffman-Ahlers Company, Inc., Cincinnati, Ohio.
L. O. Koven & Brother, New York.
The Reeves Brothers Company, Alliance, Ohio.
Riverside Foundry Company, Cleveland, Ohio.
John Trageser Steam Copper Works, New York.
Werner & Pfleiderer, Saginaw, Mich.
Milton F. Williams Manufacturing Company, St. Louis, Mo.

1690—MACHINERY, CHOCOLATE.

The Confectioners' Machinery and Manufacturing Co., Springfield, Mass.
Houchin & Huber, Brooklyn, N. Y.

1691—MACHINERY, CIGAR AND CIGARETTE.

The Miller, Du Brul & Peters Manufacturing Company, Cincinnati, Ohio.

1692—MACHINERY, CLAPBOARD.

Lane Manufacturing Company, Montpelier, Vt.

1693—MACHINERY, CLAY WORKING.

C. O. Bartlett & Snow Company, Cleveland, Ohio.
Bonnot Company, Canton, Ohio.
Chambers Brothers Company, Philadelphia, Pa.
W. J. Clark Company, Salem, Ohio.
The Crossley Manufacturing Company, Trenton, N. J.
Eagle Iron Works, Des Moines, Iowa.
The Frost Manufacturing Company, Galesburg, Ill.
Green's Car Wheel Manufacturing Company, St. Louis, Mo.
The Griffith & Wedge Company, Zanesville, Ohio.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
The C. W. Raymond Company, Dayton, Ohio.
The Rockwood Manufacturing Company, Indianapolis, Ind.
John E. Thropp's Sons Co., Trenton, N. J.
Vulcan Iron Works, Wilkes-Barre, Pa.
Milton F. Williams Manufacturing Company, St. Louis, Mo.

1694—MACHINERY, CLOTH FINISHING.

Cyrus Currier & Sons, Newark, N. J.
Curtis & Marble Machine Company, Worcester, Mass.

1695—MACHINERY, COAL AND ORE HANDLING.

Allis-Chalmers Company, Chicago, Ill.
American Car and Foundry Company, New York.
A. F. Bartlett & Co., Saginaw, Mich.
C. O. Bartlett & Snow Company, Cleveland, Ohio.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Buhl Malleable Company, Detroit, Mich.
Chain Belt Company, Milwaukee, Wis.
W. J. Clark Company, Salem, Ohio.
Duncan Foundry and Machine Works, Alton, Ill.
Globe Iron Works, Stockton, Cal.

1695—MACHINERY, COAL AND ORE HANDLING—Continued

Green's Car Wheel Manufacturing Company, St. Louis, Mo.
The Hayward Company, New York.
Joshua Hendy Machine Works, San Francisco, Cal.
Heyl & Patterson, Pittsburg, Pa.
Jeffrey Manufacturing Company, Columbus, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
A. Lucas & Sons, Peoria, Ill.
Macbeth Iron Company, Cleveland, Ohio.
Minneapolis Steel and Machinery Company, Minneapolis, Minn.
Morgan-Gardner Electric Company, Chicago, Ill.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Robins Conveying Belt Company, New York.
Robinson Machine Company, Monongahela, Pa.
The Springfield Bridge and Iron Company, Springfield, Ill.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
Sullivan Machinery Company, Chicago, Ill.
Union Iron Works, Spokane, Wash.
Vulcan Iron Works, Wilkes-Barre, Pa.

1696—MACHINERY, COAL MINING.

Allis-Chalmers Company, Chicago, Ill.
American Car and Foundry Company, New York.
A. F. Bartlett & Co., Saginaw, Mich.
Boyts, Porter & Co., Connellsville, Pa.
Caird & Hawksworth, Helena, Mont.
Eagle Foundry and Machine Company, Allegheny, Pa.
Ingersoll-Sergeant Drill Company, New York.
Jeffrey Manufacturing Company, Columbus, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Morgan-Gardner Electric Company, Chicago, Ill.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Robins Conveying Belt Company, New York.
Robinson Machine Company, Monongahela, Pa.
Sullivan Machinery Company, Chicago, Ill.
Vulcan Iron Works, Wilkes-Barre, Pa.
George D. Whitcomb Company, Chicago, Ill.

1697—MACHINERY, COFFEE.

Blymyer Iron Works Company, Cincinnati, Ohio.
Buffalo Forge Company, Buffalo, N. Y.
Engelberg Huller Company, Syracuse, N. Y.
Hersey Manufacturing Company, South Boston, Mass.
Huntley Manufacturing Company, Silver Creek, N. Y.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.

1698—MACHINES, COIN OPERATED, AUTOMATIC.

George H. Pembroke Company, Rochester, N. Y.

1699—MACHINERY, COKE OVEN.

Brown Hoisting Machinery Company, Cleveland, Ohio.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
Pittsburg Valve, Foundry and Construction Company, Pittsburg, Pa.
H. K. Porter Company, Pittsburg, Pa.
Milton F. Williams Manufacturing Company, St. Louis, Mo.

1700—MACHINES, COLD METAL SAWING.

Baird Machinery Company, Pittsburg, Pa.
Jas. Clark, Jr., & Co., Louisville, Ky.
J. G. Duke Machine Works, Memphis, Tenn.
Fairbanks Company, New York.
Gisholt Machine Company, Madison, Wis.
Goodell-Pratt Company, Greenfield, Mass.
C. E. Jennings & Co., New York.
Kelly & Jones Company, New York.
Manning, Maxwell & Moore, New York.
Railway Appliances Company, Chicago, Ill.
L. S. Starrett Company, Athol, Mass.
Trimont Manufacturing Company, Roxbury, Mass.

1701—MACHINERY, COMBING.

Crompton & Knowles Loom Works, Worcester, Mass.

1702—MACHINES, COMPUTING.

(See also Machines, Adding.)
Calculagraph Company, New York.
Fay-Sholes Company, Chicago, Ill.

1703—MACHINERY, CONCENTRATING AND SMELTING.

Allis-Chalmers Company, Chicago, Ill.
Baker Iron Works, Los Angeles, Cal.
Boyts, Porter & Co., Connellsville, Pa.
Caird & Hawksworth, Helena, Mont.
The Colorado Iron Works Company, Denver, Col.
Cyrus Currier & Sons, Newark, N. J.
The Denver Engineering Works Company, Denver, Col.
The Denver Fire Clay Company, Denver, Col.
The Hendrie & Bolthoff Manufacturing and Supply Company, Denver, Col.
Joshua Hendy Machine Works, San Francisco, Cal.
Johnson Service Company, Milwaukee, Wis.
The Mine and Smelter Supply Company, Denver, Col.
The Reeves Brothers Company, Alliance, Ohio.
Union Iron Works, Spokane, Wash.

1704—MACHINERY, CONFECTIONERS'.

Barbour Stockwell Company, Cambridgeport, Mass.
Confectioners' Machinery and Manufacturing Company, Springfield, Mass.
Thomas Mills & Brother, Inc., Philadelphia, Pa.
Werner & Pfleiderer, Saginaw, Mich.

1705—MACHINERY, CONTRACTORS'.

American Car and Foundry Company, New York.
American Diamond Rock Drill Company, New York.
American Hoist and Derrick Company, St. Paul, Minn.
American Locomotive Company, New York.
Boston and Lockport Block Company, Boston, Mass.
Brinly-Hardy Company, Louisville, Ky.
Brown Hoisting Machinery Company, Cleveland, Ohio.
The Bucyrus Company, South Milwaukee, Wis.
Buffalo Pitts Company, Buffalo, N. Y.
Thomas Carlin's Sons Company, Allegheny, Pa.
J. I. Case Threshing Machine Company, Racine, Wis.
Climax Road Machine Company, Marathon, N. Y.
Contractors' Plant Manufacturing Company, Buffalo, N. Y.
The Hayward Company, New York.
Humphrey & Sons, Joliet, Ill.

1705—MACHINERY, CONTRACTORS'—Continued.

Ingersoll-Sergeant Drill Company, New York.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Lambert Hoisting Engine Company, Newark, N. J.
A. Leschen & Sons Rope Company, St. Louis, Mo.
The J. Geo. Leyner Engineering Works Company, Denver, Col.
Lidgerwood Manufacturing Company, New York.
The Lima Locomotive and Machine Company, Lima, Ohio.
Marion Steam Shovel Company, Marion, Ohio.
Henry Martin Brick Machine Manufacturing Company, Lancaster Pa.
Modern Steel Structural Company, Waukesha, Wis.
National Iron Company, West Duluth, Minn.
Northern Engineering Works, Detroit, Mich.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Wm. J. Oliver Manufacturing Company, Knoxville, Tenn.
Port Huron Engine and Thresher Company, Port Huron, Mich.
H. K. Porter Company, Pittsburg, Pa.
Rand Drill Company, New York.
Sidney Steel Scraper Company, Sidney, Ohio.
Sullivan Machinery Company, Chicago, Ill.
The Vulcan Iron Works, Seattle, Wash.
The Vulcan Iron Works Company, Toledo, Ohio.
C. A. Warren & Co., San Francisco, Cal.
Western Wheeled Scraper Company, Aurora, Ill.
Wiard Plow Company, Batavia, N. Y.
Willamette Iron and Steel Works, Portland, Ore.

1706—MACHINERY, CONVEYING.

Allis-Chalmers Company, Chicago, Ill.
C. O. Bartlett & Snow Company, Cleveland, Ohio.
Bonnot Company, Canton, Ohio.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Buhl Malleable Company, Detroit, Mich.
Caird & Hawksworth, Helena, Mont.
Chain Belt Company, Milwaukee, Wis.
W. J. Clark Company, Salem, Ohio.
Eagle Iron Works, Des Moines, Iowa.
Filer & Stowell Company, Milwaukee, Wis.
The M. Garland Company, Bay City, Mich.
The Hayward Company, New York.
Heyl & Patterson, Pittsburg, Pa.
William E. Hill & Co., Kalamazoo, Mich.
Jeffrey Manufacturing Company, Columbus, Ohio.
Lambert Hoisting Engine Company, Newark, N. J.
Lane Manufacturing Company, Montpelier, Vt.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Lidgerwood Manufacturing Company, New York.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
McMyler Manufacturing Company, Cleveland, Ohio.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
The Meisel Manufacturing Company, Port Huron, Mich.
Nordyke & Marmon Company, Indianapolis, Ind.
Robins Conveying Belt Company, New York.
Sprout, Waldron & Co., Muncy, Pa.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
The Stirling Company, Chicago, Ill.
Union Malleable Iron Company, East Moline, Ill.
The Wolf Company, Chambersburg, Pa.

1707—MACHINERY, COOPERAGE.

American Wood Working Machinery Company, New York.
The Defiance Machine Works, Defiance, Ohio.
De Loach Mill Manufacturing Company, Atlanta, Ga.
William E. Hill & Co., Kalamazoo, Mich.
Lane Manufacturing Company, Montpelier, Vt.
Manning, Maxwell & Moore, New York.
John S. Oram, Cleveland, Ohio.
H. N. Strait Manufacturing Company, Kansas City, Kan.
A. L. Swett Iron Works, Medina, N. Y.
Trevor Manufacturing Company, Lockport, N. Y.
L. & I. J. White Company, Buffalo, N. Y.

1708—MACHINERY, CORDAGE AND BINDER TWINE.

New England Butt Company, Providence, R. I.
Watson Machine Company, Paterson, N. J.

1709—MACHINES, CORSET MAKING.

Standard Sewing Machine Company, Cleveland, Ohio.

1710—MACHINERY, COTTON.

Barber & Colman, Rockford, Ill.
James Barker, Philadelphia, Pa.
Continental Gin Company, Inc., Birmingham, Ala.
Crompton & Knowles Loom Works, Worcester, Mass.
Curtis & Marble Machine Company, Worcester, Mass.
Draper Company, Hopedale, Mass.
Easton & Burnham Machine Company, Pawtucket, R. I.
Thomas Fordyce Manufacturing Company, Little Rock, Ark.
Gullett Gin Company, Amite, La.
Kitson Machine Company, Lowell, Mass.
Lombard Iron Works and Supply Company, Augusta, Ga.
Mason Machine Works, Taunton, Mass.
Saco and Pettee Machine Shops, Newton Upper Falls, Mass.
D. A. Tompkins Company, Charlotte, N. C.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.
Whitin Machine Works, Whitinsville, Mass.

1711—MACHINERY, COTTON GIN.

Continental Gin Company, Inc., Birmingham, Ala.
Thomas Fordyce Manufacturing Company, Little Rock, Ark.
Gullett Gin Company, Amite, La.
Lombard Iron Works and Supply Company, Augusta, Ga.
Nordyke & Marmon Company, Indianapolis, Ind.
D. A. Tompkins Company, Charlotte, N. C.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.

1712—MACHINERY, CRUSHING AND PULVERIZING.

Allis-Chalmers Company, Chicago, Ill.
American Road Machine Company, Kennett Square, Pa.
Baker Iron Works, Los Angeles, Cal.
C. O. Bartlett & Snow Company, Cleveland, Ohio.
Bonnot Company, Canton, Ohio.
The A. & F. Brown Company, New York.
Caird & Hawksworth, Helena, Mont.
Thomas Carlin's Sons Company, Allegheny, Pa.
Climax Road Machine Company, Marathon, N. Y.
The Colorado Iron Works Company, Denver, Col.
George V. Cresson Company, Philadelphia, Pa.
The Crossley Manufacturing Company, Trenton, N. J.

1712—MACHINERY, CRUSHING AND PULVERIZING—Continued.

The Denver Engineering Works Company, Denver, Col.
Eagle Iron Works, Des Moines, Iowa.
Farrel Foundry and Machine Company, Ansonia, Conn.
Foos Manufacturing Company, Springfield, Ohio.
The Frost Manufacturing Company, Galesburg, Ill.
Globe Iron Works, Stockton, Cal.
Green's Car Wheel Manufacturing Company, St. Louis, Mo.
The Hendrie & Bolthoff Manufacturing and Supply Company, Denver, Col.
Joshua Hendy Machine Works, San Francisco, Cal.
Houchin & Huber, Brooklyn, N. Y.
Jeffrey Manufacturing Company, Columbus, Ohio.
Kaestner & Co., Inc., Chicago, Ill.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
Midvale Steel Company, Philadelphia, Pa.
The Mine and Smelter Supply Company, Denver, Col.
The Rockwood Manufacturing Company, Indianapolis, Ind.
Sprout, Waldron & Co., Muncy, Pa.
Taylor Iron and Steel Company, High Bridge, N. J.
John E. Thropp's Sons Co., Trenton, N. J.
Union Iron Works, Spokane, Wash.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.
Vulcan Iron Works, San Francisco, Cal.
Vulcan Iron Works, Wilkes-Barre, Pa.
Western Wheeled Scraper Company, Aurora, Ill.
Milton F. Williams Manufacturing Company, St. Louis, Mo.

1713—MACHINERY, DIE SINKING.

Stow Manufacturing Company, Binghamton, N. Y.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1714—MACHINERY, DOOR, SASH AND BLIND.

(See also Planers, Wood.)

J. A. Fay & Egan Company, Cincinnati, Ohio.

1715—MACHINERY, DRAW-BRIDGE.

Cyrus Currier & Son, Newark, N. J.
Standard Roller Bearing Company, Philadelphia, Pa.

1716—MACHINERY, DREDGING.

(See Dredges.)

1717—MACHINES, DRILLING AND BORING.

(See Drilling Machines for Metals.)

1718—MACHINERY, DYEING.

H. W. Butterworth & Sons Company, Philadelphia, Pa.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.

1719—MACHINES, EDGING.

Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1720—MACHINERY, ELECTRIC LIGHTING.

Allis-Chalmers Company, Chicago, Ill.
Ansonia Brass and Copper Company, New York.
The E. G. Bernard Company, Troy, N. Y.
The Bullock Electric Manufacturing Company, Cincinnati, Ohio.
Commercial Electric Company, Indianapolis, Ind.
The Dickey-Sutton Carbon Company, Lancaster, Ohio.

1720—MACHINERY, ELECTRIC LIGHTING—Continued.

Electrical Manufacturers' Export Company, New York.
Fairbanks, Morse & Co., Chicago, Ill.
Fort Wayne Electric Works, Inc., Fort Wayne, Ind.
General Electric Company, Schenectady, N. Y.
The Hart Manufacturing Company, Hartford, Conn.
Holtzer-Cabot Electric Company, Brookline, Mass.
The Jones Electrical Company, New York.
James Leffel & Co., Springfield, Ohio.
Jos. McWilliams & Co., Louisville, Ky.
August Mietz, New York.
National Electric Company, Milwaukee, Wis.
Triumph Electric Company, Cincinnati, Ohio.
Westinghouse Electric and Manufacturing Company, Pittsburg, Pa.

1721—MACHINES, EMBOSSING.

Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
Cyrus Currier & Sons, Newark, N. J.
Ferracute Machine Company, Bridgeton, N. J.
Niagara Machine and Tool Works, Buffalo, N. Y.
John Robertson & Co., Brooklyn, N. Y.
The Seybold Machine Company, Dayton, Ohio.
John Waldron Company, New Brunswick, N. J.

1722—MACHINERY, ENVELOPE.

John Loyd Company, New York.

1723—MACHINERY, FEATHER DRESSING.

Houchin & Huber, Brooklyn, N. Y.

1724—MACHINES, FENCE BUILDING.

(See also Pliers, Fence.)

H. P. Deuscher Company, Hamilton, Ohio.

1725—MACHINERY, FERTILIZER.

L. O. Koven & Brother, New York.
Riverside Foundry Company, Cleveland, Ohio.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.
Milton F. Williams Manufacturing Company, St. Louis, Mo.

1726—MACHINES, FILE CUTTING.

Manning, Maxwell & Moore, New York.

1727—MACHINERY, FLOUR MILL.

Allis-Chalmers Company, Chicago, Ill.
American Machinery and Export Company, New York.
Barnard Manufacturing Company, Spokane, Wash.
Barnard & Leas Manufacturing Company, Moline, Ill.
C. O. Bartlett & Snow Company, Cleveland, Ohio.
The A. F. Brown Company, New York.
The Case Manufacturing Company, Columbus, Ohio.
De Loach Mill Manufacturing Company, Atlanta, Ga.
Farrel Foundry and Machine Company, Ansonia, Conn.
Foos Manufacturing Company, Springfield, Ohio.
Huntley Manufacturing Company, Silver Creek, N. Y.
The Meisel Manufacturing Company, Port Huron, Mich.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Munson Bros. Company, Utica, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.

1727—MACHINERY, FLOUR MILL—Continued.

Richmond City Mill Works, Richmond, Ind.
Sprout, Waldron & Co., Muncy, Pa.
United Engineering and Foundry Company, Pittsburg, Pa.
The Wolf Company, Chambersburg, Pa.

1728—MACHINES, FLUTING AND GROOVING.

(See also Machinery, Woodworking.)

North Brothers Manufacturing Company, Philadelphia, Pa.
S. A. Woods Machine Company, South Boston, Mass.

1729—MACHINES, FOLDING.

Chambers Bros. Company, Philadelphia, Pa.

1730—MACHINERY, FURNITURE.

The Advance Machinery Company, Toledo, Ohio.
American Wood Working Machinery Company, New York.
The Berlin Machine Works, Beloit, Wis.
George H. Bishop & Co., Lawrenceburg, Ind.
Crescent Machine Company, Leetonia, Ohio.
J. A. Fay & Egan Company, Cincinnati, Ohio.
Hall & Brown Wood Working Machine Company, St. Louis, Mo.
Lane Manufacturing Company, Montpelier, Vt.
Manning, Maxwell & Moore, New York.
H. B. Smith Machine Company, Smithville, N. J.
S. A. Woods Machine Company, South Boston, Mass.

1731—MACHINERY, GARBAGE DISPOSAL.

Cyrus Currier & Sons, Newark, N. J.
Merritt & Co., Inc., Philadelphia, Pa.

1732—MACHINERY, GAS WORKS.

Baker Iron Works, Los Angeles, Cal.
Bartlett, Haywood & Co., Baltimore, Md.
Equitable Meter Company, Pittsburg, Pa.
Kerr Murray Manufacturing Company, Fort Wayne, Ind.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
Logan Iron Works, Brooklyn, N. Y.
Parker-Russell Mining and Manufacturing Company, St. Louis, Mo.
Practical Gas Construction Company, North Chicago, Ill.
Quintard Iron Works Company, New York.
Riter-Conley Manufacturing Company, Pittsburg, Pa.
Union Steam Pump Company, Battle Creek, Mich.
United Gas Improvement Company, Philadelphia, Pa.
Western Gas Construction Company, Fort Wayne, Ind.
R. D. Wood & Co., Philadelphia, Pa.

1733—MACHINES, GEAR CUTTING.

Brown & Sharpe Manufacturing Company, Providence, R. I.
The Earle Gear and Machine Company, Philadelphia, Pa.
The Garvin Machine Company, New York.
Gould & Eberhardt, Newark, N. J.
Manning, Maxwell & Moore, New York.
F. E. Reed Company, Worcester, Mass.
William Sellers & Co., Inc., Philadelphia, Pa.

1734—MACHINERY, GLASS WORKS.

Wheeling Mold and Foundry Company, Wheeling, W. Va.

1735—MACHINERY, GRAIN CLEANING.

Barnard & Leas Manufacturing Company, Moline, Ill.
J. I. Case Threshing Machine Company, Racine, Wis.
Clarage Foundry and Manufacturing Company, Kalamazoo, Mich.
Engelberg Huller Company, Syracuse, N. Y.
Hench, Dromgold & Co., York, Pa.
Huber Manufacturing Company, Marion, Ohio.
Huntley Manufacturing Company, Silver Creek, N. Y.
Marseilles Manufacturing Company, Marseilles, Ill.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Nordyke & Marmon Company, Indianapolis, Ind.
Richmond City Mill Works, Richmond, Ind.
Sprout, Waldron & Co., Muncy, Pa.
Union Iron Works, Decatur, Ill.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.
The Wolf Company, Chambersburg, Pa.

1736—MACHINERY, GRINDING AND POLISHING.

American Wood Working Machinery Company, New York.
W. F. & John Barnes Company, Rockford, Ill.
H. G. Barr, Worcester, Mass.
Blake & Johnson, Waterbury, Conn.
The Bridgeport Safety Emery Wheel Company, Bridgeport, Conn.
Brown & Sharpe Manufacturing Company, Providence, R. I.
Chicago Wheel and Manufacturing Company, Chicago, Ill.
Cincinnati Milling Machine Company, Cincinnati, Ohio.
Jas. Clark, Jr., & Co., Louisville, Ky.
Thos. H. Dallett Company, Philadelphia, Pa.
The W. P. Davis Machine Company, Rochester, N. Y.
Diamond Machine Company, Providence, R. I.
Divine Brothers Company, Utica, N. Y.
Farrel Foundry and Machine Company, Ansonia, Conn.
The Garvin Machine Company, New York.
Gisholt Machine Company, Madison, Wis.
Goodell-Pratt Company, Greenfield, Mass.
Gould & Eberhardt, Newark, N. J.
The Ingersoll Milling Machine Company, Rockford, Ill.
International Harvester Company of America, Chicago, Ill.
Landis Tool Company, Waynesboro, Pa.
Manning, Maxwell & Moore, New York.
Norton Emery Wheel Company, Worcester, Mass.
Page Belting Company, Concord, N. H.
Philadelphia Lawn Mower Company, Philadelphia, Pa.
Pike Manufacturing Company, Pike, N. H.
The Rockwood Manufacturing Company, Indianapolis, Ind.
Safety Emery Wheel Company, Springfield, Ohio.
William Sellers & Co., Inc., Philadelphia, Pa.
The Seybold Machine Company, Dayton, Ohio.
The Standard Optical Company, Geneva, N. Y.
Stow Manufacturing Company, Binghamton, N. Y.
Trump Brothers Machine Company, Wilmington, Del.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn
Whitney Manufacturing Company, Hartford, Conn.

1737—MACHINERY, GUN MAKERS'.

F. E. Reed Company, Worcester, Mass.
F. B. Shuster Company, New Haven, Conn.

1738—MACHINERY, HANDLE, SPOOL AND BOBBIN.

(See also Lathes, Wood Turning.)

The Defiance Machine Works, Defiance, Ohio.
J. A. Fay & Egan Company, Cincinnati, Ohio.

1739—MACHINERY, HARVESTING.

Adriance, Platt & Co., Poughkeepsie, N. Y.
A. B. Farquhar & Co., New York.
The Holt Manufacturing Company, Stockton, Cal.
International Harvester Company of America, Chicago, Ill.
Wiard Plow Company, Batavia, N. Y.

1740—MACHINERY, HAULAGE, AUTOMATIC.

Chandler & Taylor Company, Indianapolis, Ind.
Chase Machine Company, Cleveland, Ohio.
Clyde Iron Works, Duluth, Minn.
De Loach Mill Manufacturing Company, Atlanta, Ga.
Hardie-Tynes Manufacturing Company, Birmingham, Ala.
Lambert Hoisting Engine Company, Newark, N. J.
Lane Manufacturing Company, Montpelier, Vt.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Lidgerwood Manufacturing Company, New York.
McMyler Manufacturing Company, Cleveland, Ohio.
Macomber & Whyte Rope Company, Chicago, Ill.
Marshutz & Cantrell, San Francisco, Cal.
Nordyke & Marmon Company, Indianapolis, Ind.
Port Huron Engine and Thresher Company, Port Huron, Mich.
Robinson Machine Company, Monongahela, Pa.
The Vulcan Iron Works, Seattle, Wash.
Vulcan Iron Works, Wilkes-Barre, Pa.

1741—MACHINERY, HINGE.

Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1742—MACHINERY, HOISTING.

John B. Adt, Baltimore, Md.
Allis-Chalmers Company, Chicago, Ill.
American Hoist and Derrick Company, St. Paul, Minn.
Baird Machinery Company, Pittsburg, Pa.
A. F. Bartlett & Co., Saginaw, Mich.
Boston and Lockport Block Company, Boston, Mass.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Buhl Malleable Company, Detroit, Mich.
Cahill & Hall Elevator Company, San Francisco, Cal.
Caird & Hawksworth, Helena, Mont.
Thomas Carlin's Sons Company, Allegheny, Pa.
The Case Manufacturing Company, Columbus, Ohio.
Chain Belt Company, Milwaukee, Wis.
Chase Machine Company, Cleveland, Ohio.
The Chisholm & Moore Manufacturing Company, Cleveland, Ohio.
Climax Road Machine Company, Marathon, N. Y.
The J. D. Connell Iron Works, New Orleans, La.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Curtis & Co. Manufacturing Company, St. Louis, Mo.
The Denver Engineering Works Company, Denver, Col.
Detroit Shipbuilding Company, Detroit, Mich.
Duncan Foundry and Machine Works, Alton, Ill.
Eagle Foundry and Machine Company, Allegheny, Pa.
Eagle Iron Works, Des Moines, Iowa.
Filer & Stowell Company, Milwaukee, Wis.

1742—MACHINERY, HOISTING—Continued.

The Flynn & Emrich Company, Baltimore, Md.
Fulton Engine Works, Los Angeles, Cal.
The Griffith & Wedge Company, Zanesville, Ohio.
Hardie-Tynes Manufacturing Company, Birmingham, Ala.
Edwin Harrington, Son & Co., Inc., Philadelphia, Pa.
The Hayward Company, New York.
Heilman Machine Works, Evansville, Ind.
The Hendrie & Bolthoff Manufacturing and Supply Company, Denver, Col.
Joshua Hendy Machine Works, San Francisco, Cal.
Heyl & Patterson, Pittsburg, Pa.
Howard Iron Works, Buffalo, N. Y.
Humphrey & Sons, Joliet, Ill.
Kaestner & Co., Inc., Chicago, Ill.
Keystone Driller Company, Beaver Falls, Pa.
Lambert Hoisting Engine Company, Newark, N. J.
Lane & Bodley Company, Cincinnati, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
The J. Geo. Leyner Engineering Works Company, Denver, Col.
Lidgerwood Manufacturing Company, New York.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
McMyler Manufacturing Company, Cleveland, Ohio.
Macbeth Iron Company, Cleveland, Ohio.
Manning, Maxwell & Moore, New York.
Marseilles Manufacturing Company, Marseilles, Ill.
Marshutz & Cantrell, San Francisco, Cal.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
The Meisel Manufacturing Company, Port Huron, Mich.
August Mietz, New York.
The Mine and Smelter Supply Company, Denver, Col.
Modern Steel Structural Company, Waukesha, Wis.
The Morgan Engineering Company, Alliance, Ohio.
Morgan-Gardner Electric Company, Chicago, Ill.
National Iron Company, West Duluth, Minn.
Nordyke & Marmon Company, Indianapolis, Ind.
Northern Engineering Works, Detroit, Mich.
Wm. J. Oliver Manufacturing Company, Knoxville, Tenn.
Otis Elevator Company, New York.
The Portland Company, Portland, Me.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Rand Drill Company, New York.
Robins Conveying Belt Company, New York.
Robinson Machine Company, Monongahela, Pa.
A. B. See Electric Elevator Company, New York.
William Sellers & Co., Inc., Philadelphia, Pa.
T. Shriver & Co., New York.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
Stokes & Parrish Elevator Company, Philadelphia, Pa.
Triumph Electric Company, Cincinnati, Ohio.
Union Iron Works, Spokane, Wash.
Washington Iron Works Company, Seattle, Wash.
Whiting Foundry Equipment Company, Harvey, Ill.
Willamette Iron and Steel Works, Portland, Ore.
The Wolf Company, Chambersburg, Pa.
R. D. Wood & Co., Philadelphia, Pa.

1743—MACHINES, HOOK, HOOK AND EYE, ETC.

(See Machinery, Wire Straightening and Forming.)

1744—MACHINERY, HOOP MAKING.

The Defiance Machine Works, Defiance, Ohio.
J. G. Duke Machine Works, Memphis, Tenn.
F. B. Shuster Company, New Haven, Conn.

1745—MACHINERY, HUB, SPOKE AND RIM.

George H. Bishop & Co., Lawrenceburg, Ind.
The Defiance Machine Works, Defiance, Ohio.
J. A. Fay & Egan Company, Cincinnati, Ohio.
Goodell-Pratt Company, Greenfield, Mass.
Manning, Maxwell & Moore, New York.
The Ober Manufacturing Company, Chagrin Falls, Ohio.
Silver Manufacturing Company, Salem, Ohio.

1746—MACHINERY HYDRAULIC.

Boyts, Porter & Co., Connellsville, Pa.
Buffalo Forge Company, Buffalo, N. Y.
Cahill & Hall Elevator Company, San Francisco, Cal.
The Connersville Blower Company, Connersville, Ind.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Cyrus Currier & Sons, Newark, N. J.
M. T. Davidson, Brooklyn, N. Y.
Deming Company, Salem, Ohio.
Epping-Carpenter Company, Pittsburg, Pa.
Fischer Foundry and Machine Company, Pittsburg, Pa.
Goulds Manufacturing Company, Seneca Falls, N. Y.
Great Lakes Engineering Works, Detroit, Mich.
Joshua Hendy Machine Works, San Francisco, Cal.
Howard Iron Works, Buffalo, N. Y.
Kaestner & Co., Inc., Chicago, Ill.
Lane Manufacturing Company, Montpelier, Vt.
Lane & Bodley Company, Cincinnati, Ohio.
James Leffel & Co., Springfield, Ohio.
Manning, Maxwell & Moore, New York.
Morgan Construction Company, Worcester, Mass.
The Morgan Engineering Company, Alliance, Ohio.
Munson Bros. Company, Utica, N. Y.
Otis Elevator Company, New York.
The Pelton Water Wheel Company, San Francisco, Cal.
The Platt Iron Works Company, Dayton, Ohio.
The Reeves Brothers Company, Alliance, Ohio.
Riverside Foundry Company, Cleveland, Ohio.
John Robertson & Co., Brooklyn, N. Y.
The Snider Hughes Company, Cleveland, Ohio.
Union Steam Pump Company, Battle Creek, Mich.
United Engineering and Foundry Company, Pittsburg, Pa.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn
Watson-Stillman Company, New York.
The Wolf Company, Chambersburg, Pa.
R. D. Wood & Co., Philadelphia, Pa.

1747—MACHINERY, ICE MAKING.

(See also Machinery, Refrigerating.)

Aultman Company, Canton, Ohio.
The De La Vergne Machine Company, New York.
Frick Company, Waynesboro, Pa.
Goldens' Foundry and Machine Company, Columbus, Ga.
Great Lakes Engineering Works, Detroit, Mich.
Lombard Iron Works and Supply Company, Augusta, Ga.

to manufacturers whose names are given in this book.

1747—MACHINERY, ICE MAKING—Continued.

Remington Machine Company, Wilmington, Del.
Ruemmeli-Dawley Manufacturing Company, St. Louis, Mo.
Sugar Apparatus Manufacturing Company, Philadelphia, Pa.
Henry Vogt Machine Company, Louisville, Ky.
Vulcan Iron Works, San Francisco, Cal.
Weir & Craig Manufacturing Company, Chicago, Ill.
York Manufacturing Company, York, Pa.

1748—MACHINES, KEY SEATING.

Baird Machinery Company, Pittsburg, Pa.
The W. P. Davis Machine Company, Rochester, N. Y.
Morton Manufacturing Company, Muskegon Heights, Mich.

1749—MACHINES, KNITTING.

H. Brinton & Co., Philadelphia, Pa.
Leighton Machine Company, Manchester, N. H.
Nve & Tredick Company, Philadelphia, Pa.
Textile Machine Works, Reading, Pa.
Trump Brothers Machine Company, Wilmington, Del.

1750—MACHINES, LABELING.

Burt Machine Company, Baltimore, Md.
Chase-Shawmut Company, Newburyport, Mass.

1751—MACHINERY, LARD REFINING.

Brecht B. S. Co., St. Louis, Mo.
Union Steam Pump Company, Battle Creek, Mich.

1752—MACHINERY, LAST TURNING.

Kimball Bros. & Sprague, Brockton, Mass.

1753—MACHINERY, LAUNDRY.

The Blackstone Manufacturing Company, Jamestown, N. Y.
H. F. Brammer Manufacturing Company, Davenport, Iowa.
A. T. Hagen Company, Rochester, N. Y.
Lovell Manufacturing Company, Erie, Pa.
Reed Manufacturing Company, Erie, Pa.
Richmond Cedar Works, Richmond, Va.
Union Steam Pump Company, Battle Creek, Mich.

1754—MACHINERY, LEAD AND TIN PIPE.

John Robertson & Co., Brooklyn, N. Y.

1755—MACHINES, LEATHER SPLITTING.

American Tool and Machine Company, Boston, Mass.
John Loyd Company, New York.
Vaughn Machine Company, Peabody, Mass.
L. & I. J. White Company, Buffalo, N. Y.

1756—MACHINERY, LIFTING.

(See Jacks, Hydraulic, Pneumatic, etc.; also Cranes.)

1757—MACHINERY, LINOLEUM.

Milton F. Williams Manufacturing Company, St. Louis, Mo.

1758—MACHINES, LINOLEUM PRINTING.

Moore & White Company, Philadelphia, Pa.

1759—MACHINES, LINOTYPE.

Mergenthaler Linotype Company, New York.

1760—MACHINES, LISTING.

Comptograph Company, Chicago, Ill.

1761—MACHINERY, LOGGING.

American Car and Foundry Company, New York.
American Locomotive Company, New York.
Baldwin Locomotive Works, Philadelphia, Pa.
California Saw Works, San Francisco, Cal.
Chandler & Taylor Company, Indianapolis, Ind.
Clyde Iron Works, Duluth, Minn.
De Loach Mill Manufacturing Company, Atlanta, Ga.
The Flint Wagon Works, Flint, Mich.
Hardie-Tynes Manufacturing Company, Birmingham, Ala.
Hench, Dromgold & Co., York, Pa.
The Holt Manufacturing Company, Stockton, Cal.
Lambert Hoisting Engine Company, Newark, N. J.
Lane Manufacturing Company, Montpelier, Vt.
A. Leschen & Sons Rope Company. St. Louis, Mo.
Lidgerwood Manufacturing Company, New York.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Marion Steam Shovel Company, Marion, Ohio.
Marshutz & Cantrell, San Francisco, Cal.
Wm. B. Mershon & Co., Saginaw, Mich.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
H. K. Porter Company, Pittsburg, Pa.
The Puget Sound Iron and Steel Works, Tacoma, Wash.
Standard Scale and Supply Company, Ltd., Pittsburg, Pa.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
The Vulcan Iron Works, Seattle, Wash.
Washington Iron Works Company, Seattle, Wash.
Willamette Iron and Steel Works, Portland, Ore.

1762—MACHINERY, MACARONI, VERMICELLI, ETC.

Werner & Pfleiderer, Saginaw, Mich.

1763—MACHINES, MAILING.

Barnhart Bros. & Spindler, Chicago, Ill.

1764—MACHINES, MAIN TAPPING.

H. Mueller Manufacturing Company, Decatur, Ill.

1765—MACHINES, MARKING.

Houchin & Huber, Brooklyn, N. Y.
Manning, Maxwell & Moore, New York.

1766—MACHINES, MASSAGE.

W. D. Allison Company, Indianapolis, Ind.
James Barker, Philadelphia, Pa.
A. H. Peirce Manufacturing Company, Chicago, Ill.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.

1767—MACHINES, MATCHING.

American Wood Working Machinery Company, New York.
The Berlin Machine Works, Beloit, Wis.
J. A. Fay & Egan Company, Cincinnati, Ohio.
Hall & Brown Wood Working Machine Company, St. Louis, Mo.
Lane Manufacturing Company, Montpelier, Vt.
Manning, Maxwell & Moore, New York.
H. B. Smith Machine Company, Smithville, N. J.
S. A. Woods Machine Company, South Boston, Mass.

1768—MACHINERY, METAL STAMPING.

(See Presses, Stamping and Forming.)

1769—MACHINERY, METAL WORKING.

Baird Machinery Company, Pittsburg, Pa.
W. F. & John Barnes Company, Rockford, Ill.
H. G. Barr, Worcester, Mass.
Baush Machine Tool Company, Springfield, Mass.
Betts Machine Company, Wilmington, Del.
Bickford Drill and Tool Company, Cincinnati, Ohio.
P. Blaisdell & Co., Worcester, Mass.
Blake & Johnson, Waterbury, Conn.
Brown & Sharpe Manufacturing Company, Providence, R. I.
Bullard Machine Tool Company, Bridgeport, Conn.
Cincinnati Milling Machine Company, Cincinnati, Ohio.
Thos. H. Dallett Company, Philadelphia, Pa.
The W. P. Davis Machine Company, Rochester, N. Y.
Detrick & Harvey Machine Company, Baltimore, Md.
J. G. Duke Machine Works, Memphis, Tenn.
The Earle Gear and Machine Company, Philadelphia, Pa.
Fischer Foundry and Machine Company, Pittsburg, Pa.
The Garvin Machine Company, New York.
Gisholt Machine Company, Madison, Wis.
Edwin Harrington, Son & Co., Inc., Philadelphia, Pa.
Hartford Machine Screw Company, Hartford, Conn.
Hendey Machine Company, Torrington, Conn.
William E. Hill & Co., Kalamazoo, Mich.
The Ingersoll Milling Machine Company, Rockford, Ill.
Lodge & Shipley Machine Tool Company, Cincinnati, Ohio.
Long & Allstatter Company, Hamilton, Ohio.
Manning, Maxwell & Moore, New York.
Mesta Machine Company, Pittsburg, Pa.
The Morgan Engineering Company, Alliance, Ohio.
Morton Manufacturing Company, Muskegon Heights, Mich.
New Haven Manufacturing Company, New Haven, Conn.
Niles-Bement-Pond Company, New York.
Pittsburgh Machine Tool Company, Allegheny, Pa.
Potter & Johnston Machine Company, Pawtucket, R. I.
Prentice Brothers Company, Worcester, Mass.
F. E. Reed Company, Worcester, Mass.
J. M. Robinson Manufacturing Company, Cincinnati, Ohio.
William Sellers & Co., Inc., Philadelphia, Pa.
Seneca Falls Manufacturing Company, Seneca Falls, N. Y.
F. B. Shuster Company, New Haven, Conn.
Stow Manufacturing Company, Binghamton, N. Y.
H. B. Underwood & Co., Philadelphia, Pa.
Warner & Swasey Company, Cleveland, Ohio.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Whitney Manufacturing Company, Hartford, Conn.
Woodward & Powell Planer Company, Worcester, Mass.

1770—MACHINES, MILLING.

Baird Machinery Company, Pittsburg, Pa.
Brown & Sharpe Manufacturing Company, Providence, R. I.
Cincinnati Milling Machine Company, Cincinnati, Ohio.
Detrick & Harvey Machine Company, Baltimore, Md.
Garvin Machine Company, New York.
Hendey Machine Company, Torrington, Conn.
The Ingersoll Milling Machine Company, Rockford, Ill.

1770—MACHINES, MILLING—Continued.

Manning, Maxwell & Moore, New York.
Morse Twist Drill and Machine Company, New Bedford, Mass.
National-Acme Manufacturing Company, Cleveland, Ohio.
Niles-Bement-Pond Company, New York.
F. E. Reed Company, Worcester, Mass.
William Sellers & Co., Inc., Philadelphia, Pa.
F. B. Shuster Company, New Haven, Conn.
H. B. Underwood & Co., Philadelphia, Pa.
Whitney Manufacturing Company, Hartford, Conn.

1771—MACHINERY, MINING.

Allis-Chalmers Company, Chicago, Ill.
American Car and Foundry Company, New York.
American Diamond Rock Drill Company, New York.
Baker Iron Works, Los Angeles, Cal.
A. F. Bartlett & Co., Saginaw, Mich.
Boyts, Porter & Co., Connellsville, Pa.
Brown Corliss Engine Company, Corliss, Wis.
The Bucyrus Company, South Milwaukee, Wis.
Buffalo Scale Company, Buffalo, N. Y.
Caird & Hawksworth, Helena, Mont.
The Colorado Iron Works Company, Denver, Col.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
The Denver Engineering Works Company, Denver, Col.
Duncan Foundry and Machine Works, Alton, Ill.
Eagle Foundry and Machine Company, Allegheny, Pa.
Eagle Iron Works, Des Moines, Iowa.
Fairbanks, Morse & Co., Chicago, Ill.
Farrel Foundry and Machine Company, Ansonia, Conn.
Fulton Engine Works, Los Angeles, Cal.
Globe Iron Works, Stockton, Cal.
Great Lakes Engineering Works, Detroit, Mich.
Hardie-Tynes Manufacturing Company, Birmingham, Ala.
The Hayward Company, New York.
Heilman Machine Works, Evansville, Ind.
The Hendrie & Bolthoff Manufacturing and Supply Company, Denver, Col.
Joshua Hendy Machine Works, San Francisco, Cal.
Ingersoll-Sergeant Drill Company, New York.
Jeanesville Iron Works Company, Hazleton, Pa.
Jeffrey Manufacturing Company, Columbus, Ohio.
Keystone Driller Company, Beaver Falls, Pa.
L. O. Koven & Brother, New York.
Lambert Hoisting Engine Company, Newark, N. J.
A. Leschen & Sons Rope Company, St. Louis, Mo.
The J. Geo. Leyner Engineering Works Company, Denver, Col.
Lidgerwood Manufacturing Company, New York.
Link-Belt Machinery Company, Chicago, Ill.
A. Lucas & Sons, Peoria, Ill.
Marshutz & Cantrell, San Francisco, Cal.
Midvale Steel Company, Philadelphia, Pa.
The Mine and Smelter Supply Company, Denver, Col.
Minneapolis Steel and Machinery Company, Minneapolis, Minn.
National Iron Company, West Duluth, Minn.
Otis Elevator Company, New York.
The Pelton Water Wheel Company, San Francisco, Cal.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
H. K. Porter Company, Pittsburg, Pa.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.

1771—MACHINERY, MINING—Continued.

Rand Drill Company, New York.
Robins Conveying Belt Company, New York.
Robinson Machine Company, Monongahela, Pa.
Sullivan Machinery Company, Chicago, Ill.
Taylor Iron and Steel Company, High Bridge, N. J.
W. S. Tyler Company, Cleveland, Ohio.
Union Iron Works, Spokane, Wash.
Vulcan Iron Works, San Francisco, Cal.
The Vulcan Iron Works, Seattle, Wash.
Vulcan Iron Works, Wilkes-Barre, Pa.
Georgé D. Whitcomb Company, Chicago, Ill.
Wilson, Snyder Manufacturing Company, Pittsburg, Pa.

1772—MACHINERY, MINTING.

Ferracute Machine Company, Bridgeton, N. J.
The Johnson Iron Works, Ltd., New Orleans, La.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1773—MACHINES, MOULDING, FOUNDRY.

Arcade Manufacturing Company, Freeport, Ill.
Heyl & Patterson, Pittsburg, Pa.
Manning, Maxwell & Moore, New York.
J. W. Paxson Co., Philadelphia, Pa.
Wheeling Mold and Foundry Company, Wheeling, W. Va.
Whiting Foundry Equipment Company, Harvey, Ill.

1774—MACHINERY, NECK-YOKE AND SINGLE-TREE.

The Defiance Machine Works, Defiance, Ohio.

1775—MACHINERY, NEEDLE MAKING.

F. B. Shuster Company, New Haven, Conn.

1776—MACHINES, NUMBERING.

Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
Edison Phonograph Works, Orange, N. J.

1777—MACHINES, OIL CLOTH PRINTING.

Moore & White Company, Philadelphia, Pa.
John Waldron Company, New Brunswick, N. J.

1778—MACHINERY, OIL MILL.

S. F. Bowser & Co., Fort Wayne, Ind.
Buckeye Iron and Brass Works, Dayton, Ohio.
W. P. Callahan & Co., Dayton, Ohio.
Cardwell Machine Company, Richmond, Va.
Farrel Foundry and Machine Company, Ansonia, Conn.
Houchin & Huber, Brooklyn, N. Y.
Lombard Iron Works and Supply Company, Ansonia, Conn.
The Platt Iron Works Company, Dayton, Ohio.
D. A. Tompkins Company, Charlotte, N. C.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.
Milton F. Williams Manufacturing Company, St. Louis, Mo.

1779—MACHINERY, OIL REFINERY.

(See Oil Refining Apparatus.)

1780—MACHINERY, OPTICAL.

American Optical Company, Southbridge, Mass.
The Standard Optical Company, Geneva, N. Y.

1781—MACHINES, ORE SAMPLING.

(See also Machinery, Prospecting.)

Allis-Chalmers Company, Chicago, Ill.

1782—MACHINERY, PAINT AND WHITE LEAD.

C. O. Bartlett & Snow Company, Cleveland, Ohio.
The I. & E. Greenwald Company, Cincinnati, Ohio.
Houchin & Huber, Brooklyn, N. Y.
Kaestner & Co., Inc., Chicago, Ill.
Riverside Foundry Company, Cleveland, Ohio.

1783—MACHINES, PAINTING.

(See Machines, Whitewashing.)

1784—MACHINERY, PAPER BAG AND TAG.

Remington Machine Company, Wilmington, Del.

1785—MACHINERY, PAPER BOARD.

Beloit Iron Works, Beloit, Wis.

1786—MACHINERY, PAPER BOX.

Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
M. D. Knowlton Company, Rochester, N. Y.

1787—MACHINERY, PAPER COATING.

Moore & White Company, Philadelphia, Pa.
Smith & Anthony Company, Boston, Mass.
John Waldron Company, New Brunswick, N. J.

1788—MACHINERY, PAPER MILL.

The Bagley & Sewall Company, Watertown, N. Y.
Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
Beloit Iron Works, Beloit, Wis.
Cheney Bigelow Wire Works, Springfield, Mass.
Cyrus Currier & Sons, Newark, N. J.
Dayton Globe Iron Works Company, Dayton, Ohio.
Eastwood Wire Manufacturing Company, Belleville, N. J.
Farrel Foundry and Machine Company, Ansonia, Conn.
Goulds Manufacturing Company, Seneca Falls, N. Y.
William E. Hill & Co., Kalamazoo, Mich.
Moore & White Company, Philadelphia, Pa.
George M. Newhall Engineering Company, Ltd., Philadelphia, Pa.
The Portland Company, Portland, Me.
Pusey & Jones Company, Wilmington, Del.
The Sandy Hill Iron and Brass Works, Sandy Hill, N. Y.
The Seybold Machine Company, Dayton, Ohio.
A. A. Simonds & Son Company, Dayton, Ohio.
Smith & Anthony Company, Boston, Mass.
Taylor, Stiles & Co., Riegelsville, N. J.
W. S. Tyler Company, Cleveland, Ohio.
John Waldron Company, New Brunswick, N. J.

1789—MACHINERY, PAPER RULERS'.

The W. O. Hickok Manufacturing Company, Harrisburg, Pa.
Keystone Type Foundry, Philadelphia, Pa.

1790—MACHINES, PASTING.

John Waldron Company, New Brunswick, N. J.

1791—MACHINES, PERFORATING (FOR METALS).

Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1792—MACHINERY, PHOTO-ENGRAVERS'.

Cyrus Currier & Sons, Newark, N. J.
John Royle & Sons, Paterson, N. J.

1793—MACHINES, PIANO.

The Berlin Machine Works, Beloit, Wis.
J. A. Fay & Egan Company, Cincinnati, Ohio.
The A. H. Nilson Machine Company, Bridgeport, Conn.
John Royle & Sons, Paterson, N. J.

1794—MACHINES, PIN MAKING.

H. G. Barr, Worcester, Mass.
F. B. Shuster Company, New Haven, Conn.

1795—MACHINERY, PIPE MAKING.

Fischer Foundry and Machine Company, Pittsburg, Pa.
Manning, Maxwell & Moore, New York.
United Engineering and Foundry Company, Pittsburg, Pa.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1796—MACHINES, PIPE THREADING.

Armstrong Manufacturing Company, Bridgeport, Conn.
Eaton, Cole & Burnham Company, New York.
Jarecki Manufacturing Company, Erie, Pa.
Kelly & Jones Company, New York.
Manning, Maxwell & Moore, New York.
Merrell Manufacturing Company, Toledo, Ohio.
Power Specialty Company, Detroit, Mich.
Reed Manufacturing Company, Erie, Pa.
Walworth Manufacturing Company, Boston, Mass.
Wells Bros. Company, Greenfield, Mass.

1797—MACHINERY, PLATE GLASS.

Fischer Foundry and Machine Company, Pittsburg, Pa.

1798—MACHINERY, POLISHING.

(See Machinery, Grinding and Polishing.)

1799—MACHINERY, POTTERY.

The Crossley Manufacturing Company, Trenton, N. J.
The C. W. Raymond Company, Dayton, Ohio.
The Rockwood Manufacturing Company, Indianapolis, Ind.
John E. Thropp's Sons Co., Trenton, N. J.

1800—MACHINERY, POWDER WORKS.

C. O. Bartlett & Snow Company, Cleveland, Ohio.
Riverside Foundry Company, Cleveland, Ohio.

1801—MACHINERY, POWER TRANSMISSION.

Allis-Chalmers Company, Chicago, Ill.
American Machinery and Export Company, New York.
American Pulley Company, Philadelphia, Pa.
American Tool and Machine Company, Boston, Mass.
Baker Manufacturing Company, Evansville, Wis.
Barnard Manufacturing Company, Spokane, Wash.
Bates Machine Company, Joliet, Ill.
Blymyer Iron Works Company, Cincinnati, Ohio.
Charles Bond, Philadelphia, Pa.
The A. & F. Brown Company, New York.
Caird & Hawksworth, Helena, Mont.
W. E. Caldwell Company, Louisville, Ky.
The Case Manufacturing Company, Columbus, Ohio.

1801—MACHINERY, POWER TRANSMISSION—Continued.

Chain Belt Company, Milwaukee, Wis.
Chickasaw Iron Works, Memphis, Tenn.
The C. & G. Cooper Company, Mount Vernon, Ohio.
George V. Cresson Company, Philadelphia, Pa.
Cumberland Steel Company, Cumberland, Md.
Dayton Globe Iron Works Company, Dayton, Ohio.
Dodge Manufacturing Company, Mishawaka, Ind.
Farrel Foundry and Machine Company, Ansonia, Conn.
Filer & Stowell Company, Milwaukee, Wis.
The Flynn & Emrich Company, Baltimore, Md.
Fulton Engine Works, Los Angeles, Cal.
Goldens' Foundry and Machine Company, Columbus, Go.
The I. & E. Greenwald Company, Cincinnati, Ohio.
Hill Clutch Company, Cleveland, Ohio.
William E. Hill & Co., Kalamazoo, Mich.
Howard Iron Works, Buffalo, N. Y.
Jeffrey Manufacturing Company, Columbus, Ohio.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Lane Manufacturing Company, Montpelier, Vt.
Lane & Bodley Company, Cincinnati, Ohio.
James Leffel & Co., Springfield, Ohio.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
Lombard Iron Works and Supply Company, Augusta, Ga.
A. Lucas & Sons, Peoria, Ill.
Manning, Maxwell & Moore, New York.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
Medart Patent Pulley Company, St. Louis, Mo.
Meese & Gottfried Company, San Francisco, Cal.
The Meisel Manufacturing Company, Port Huron, Mich.
Minneapolis Steel and Machinery Company, Minneapolis, Minn.
Moore & White Company, Philadelphia, Pa.
Munson Bros. Company, Utica, N. Y.
National Iron Company, West Duluth, Minn.
New Haven Manufacturing Company, New Haven, Conn.
George M. Newhall Engineering Company, Ltd., Philadelphia, Pa.
Nordyke & Marmon Company, Indianapolis, Ind.
The Platt Iron Works Company, Dayton, Ohio.
Reeves Pulley Company, Columbus, Ind.
Richmond City Mill Works, Richmond, Ind.
The Rockwood Manufacturing Company, Indianapolis, Ind.
William Sellers & Co., Inc., Philadelphia, Pa.
T. Shriver & Co., New York.
H. B. Smith Machine Company, Smithville, N. J.
Sprout, Waldron & Co., Muncy, Pa.
Standard Roller Bearing Company, Philadelphia, Pa.
Standard Sewing Machine Company, Cleveland, Ohio.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
H. N. Strait Manufacturing Company, Kansas City, Kan.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.
The Vulcan Iron Works, Seattle, Wash.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Wheland Machine Works, Chattanooga, Tenn.
Willamette Iron and Steel Works, Portland, Ore.
The Wolf Company, Chambersburg, Pa.
T. B. Wood's Sons, Chambersburg, Pa.

to manufacturers whose names are given in this book.

1802—MACHINERY, POWER TRANSMISSION, ELECTRICAL.

Allis-Chalmers Company, Chicago, Ill.
Albert & J. M. Anderson Manufacturing Company, Boston, Mass.
Ansonia Brass and Copper Company, New York.
The Bullock Electric Manufacturing Company, Cincinnati, Ohio.
Jas. Clark, Jr., & Co., Louisville, Ky.
Electrical Manufacturers' Export Company, New York.
General Electric Company, Schenectady, N. Y.
James Leffel & Co., Springfield, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Jos. McWilliams & Co., Louisville, Ky.
The Morgan Engineering Company, Alliance, Ohio.
Morgan-Gardner Electric Company, Chicago, Ill.
National Electric Company, Milwaukee, Wis.
Northern Electrical Manufacturing Company, Madison, Wis.
Pittsburgh Valve, Foundry and Construction Company, Pittsburg, Pa
The Rockwood Manufacturing Company, Indianapolis, Ind.
Triumph Electric Company, Cincinnati, Ohio.
Westinghouse Electric and Manufacturing Company, Pittsburg, Pa.
L. J. Wing Manufacturing Company, New York.

1803—MACHINERY, PRINTING.

Babcock Printing Press Manufacturing Company, New York.
Barnhart Bros. & Spindler, Chicago, Ill.
Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
The Challenge Machinery Company, Grand Haven, Mich.
Chandler & Price Company, Cleveland, Ohio.
C. B. Cottrell & Sons Company, New York.
J. F. W. Dorman Company, Baltimore, Md.
Golding Manufacturing Company, Boston, Mass.
Parsons Brothers, New York.
Potter Printing Press Company, Plainfield, N. J.
The Seybold Machine Company, Dayton, Ohio.
Van Allens & Boughton, New York.

1804—MACHINERY, PRINTING, TEXTILE.

H. W. Butterworth & Sons Company, Philadelphia, Pa.
John Waldron Company, New Brunswick, N. J.

1805—MACHINERY, PROSPECTING.

Allis-Chalmers Company, Chicago, Ill.
American Diamond Rock Drill Company, New York.
Keystone Driller Company, Beaver Falls, Pa.
Rand Drill Company, New York.
Sullivan Machinery Company, Chicago, Ill.

1806—MACHINES, PUNCHING AND SHEARING.

Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
Birmingham Iron Foundry, Derby, Conn.
Buffalo Forge Company, Buffalo, N. Y.
The W. P. Davis Machine Company, Rochester, N. Y.
J. G. Duke Machine Works, Memphis, Tenn.
The Elliott Company, Boston, Mass.
Farrel Foundry and Machine Company, Ansonia, Conn.
Ferracute Machine Company, Bridgeton, N. J.
Fischer Foundry and Machine Company, Pittsburg, Pa.
A. Garrison Foundry Company, Pittsburg, Pa.
The Garvin Machine Company, New York.
William E. Hill & Co., Kalamazoo, Mich.
Long & Allstatter Company, Hamilton, Ohio.

1806—MACHINES, PUNCHING AND SHEARING—Continued.

John Loyd Company, New York.
Manning, Maxwell & Moore, New York.
The Morgan Engineering Company, Alliance, Ohio.
National Machinery Company, Tiffin, Ohio.
Niagara Machine and Tool Works, Buffalo, N. Y.
Niles-Bement-Pond Company, New York.
Railway Appliances Company, Chicago, Ill.
J. M. Robinson Manufacturing Company, Cincinnati, Ohio.
William Sellers & Co., Inc., Philadelphia, Pa.
The Samuel C. Tatum Company, Cincinnati, Ohio.
United Engineering and Foundry Company, Pittsburg, Pa.
Vulcan Foundry and Machine Company, New Castle, Pa.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn
Watson-Stillman Company, New York.
Wickes Brothers, Saginaw, Mich.
Williams, White & Co., Moline, Ill.
R. D. Wood & Co., Philadelphia, Pa.

1807—MACHINERY, QUARRYING.

American Diamond Rock Drill Company, New York.
American Hoist and Derrick Company, St. Paul, Minn.
The Hayward Company, New York.
Ingersoll-Sergeant Drill Company, New York.
Keystone Driller Company, Beaver Falls, Pa.
A. Leschen & Sons Rope Company, St. Louis, Mo.
The J. Geo. Leyner Engineering Works Company, Denver, Col.
H. K. Porter Company, Pittsburg, Pa.
Rand Drill Company, New York.
Sullivan Machinery Company, Chicago, Ill.

1808—MACHINERY, REFRIGERATING.

(See also Machinery, Ice Making.)

Aultman Company, Canton, Ohio.
The De La Vergne Machine Company, New York.
Frick Company, Waynesboro, Pa.
Great Lakes Engineering Works, Detroit, Mich.
Jos. McWilliams & Co., Louisville, Ky.
Thomas Mills & Brother, Inc., Philadelphia, Pa.
Remington Machine Company, Wilmington, Del.
Ruemmeli-Dawley Manufacturing Company, St. Louis, Mo.
B. A. Stevens, Toledo, Ohio.
Henry Vogt Machine Company, Louisville, Ky.
Vulcan Iron Works, San Francisco, Cal.
The White Mountain Freezer Company, Nashua, N. H.
York Manufacturing Company, York, Pa.

1809—MACHINERY, RICE MILLING AND CLEANING.

Barnard & Leas Manufacturing Company, Moline, Ill.
Blymyer Iron Works Company, Cincinnati, Ohio.
Boland & Gschwind Company, New Orleans, La.
Buffalo Forge Company, Buffalo, N. Y.
Engelberg Huller Company, Syracuse, N. Y.
Huntley Manufacturing Company, Silver Creek, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.
Sprout, Waldron & Co., Muncy, Pa.

1810—MACHINERY, RIM AND FELLOE.

(See Machinery, Hub, Spoke and Rim.)

1811—MACHINES, RIVET.

Acme Machinery Company, Cleveland, Ohio.
Blake & Johnson, Waterbury, Conn.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1812—MACHINES, RIVET INSERTING.

Chester B. Albree Iron Works, Allegheny, Pa.
Thos. H. Dallett Company, Philadelphia, Pa.
Fischer Foundry and Machine Company, Pittsburg, Pa.
Manning, Maxwell & Moore, New York.
The Morgan Engineering Company, Alliance, Ohio.
William Sellers & Co., Inc., Philadelphia, Pa.
F. B. Shuster Company, New Haven, Conn.
Standard Rivet Company, Boston, Mass.
Tubular Rivet and Stud Company, Boston, Mass.
Watson-Stillman Company, New York.
Williams, White & Co., Moline, Ill.

1813—MACHINES, ROAD MAKING.

American Road Machine Company, Kennett Square, Pa.
The American Steel Scraper Company, Sidney, Ohio.
Aultman Company, Canton, Ohio.
Brinly-Hardy Company, Louisville, Ky.
Buffalo Pitts Company, Buffalo, N. Y.
J. I. Case Threshing Machine Company, Racine, Wis.
Climax Road Machine Company, Marathon, N. Y.
The Holt Manufacturing Company, Stockton, Cal.
The Kelly-Springfield Road Roller Company, Springfield, Ohio.
Kilbourne and Jacobs Manufacturing Company, Columbus, Ohio.
Marion Steam Shovel Company, Marion, Ohio.
Port Huron Engine and Thresher Company, Port Huron, Mich.
Sidney Steel Scraper Company, Sidney, Ohio.
Syracuse Chilled Plow Company, Syracuse, N. Y.
C. A. Warren & Co., San Francisco, Cal.
Western Wheeled Scraper Company, Aurora, Ill.
Wiard Plow Company, Batavia, N. Y.

1814—MACHINERY, ROCK DRILLING.

(See Drills, Rock; also Engines, Drilling.)

1815—MACHINERY, ROD MILL.

(See also Machinery, Wire Drawing.)

Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1816—MACHINERY, ROLLING MILL.

(See Rolling Mill Equipment.)

1817—MACHINERY, ROPE.

New England Butt Company, Providence, R. I.
Watson Machine Company, Paterson, N. J.

1818—MACHINERY, RUBBER MILL.

Birmingham Iron Foundry, Derby, Conn.
Cyrus Currier & Sons, Newark, N. J.
The J. F. W. Dorman Company, Baltimore, Md.
Farrel Foundry and Machine Company, Ansonia, Conn.
Hoggson & Pettis Manufacturing Company, New Haven, Conn.
John Loyd Company, New York.
Riverside Foundry Company, Cleveland, Ohio.
John E. Thropp's Sons Co., Trenton, N. J.

1819—MACHINERY, RUBBER TUBING.

John Royle & Sons, Paterson, N. J.

1820—MACHINERY, SALT WELL.

A. F. Bartlett & Co., Saginaw, Mich.

1821—MACHINERY, SAND MIXING AND SIFTING.

Barbour Stockwell Company, Cambridgeport, Mass.
Gould & Eberhardt, Newark, N. J.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Manning, Maxwell & Moore, New York.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
J. W. Paxson Co., Philadelphia, Pa.
William Sellers & Co., Inc., Philadelphia, Pa.
Whiting Foundry Equipment Company, Harvey, Ill.

1822—MACHINES, SANDPAPERING.

The Berlin Machine Works, Beloit, Wis.
J. A. Fay & Egan Company, Cincinnati, Ohio.
Manning, Maxwell & Moore, New York.
H. B. Smith Machine Company, Smithville, N. J.

1823—MACHINERY, SAW MILL.

Allis-Chalmers Company, Chicago, Ill.
American Machinery and Export Company, New York.
American Wood Working Machinery Company, New York.
Aultman & Taylor Machinery Company, Mansfield, Ohio.
Baker Manufacturing Company, Evansville, Wis.
Barnard Manufacturing Company, Spokane, Wash.
A. F. Bartlett & Co., Saginaw, Mich.
Benicia Iron Works, Benicia, Cal.
The Berlin Machine Works, Beloit, Wis.
California Saw Works, San Francisco, Cal.
Chandler & Taylor Company, Indianapolis, Ind.
Curtis & Co. Manufacturing Company, St. Louis, Mo.
De Loach Mill Manufacturing Company, Atlanta, Ga.
A. B. Farquhar & Co., New York.
J. A. Fay & Egan Company, Cincinnati, Ohio.
Filer & Stowell Company, Milwaukee, Wis.
Frick Company, Waynesboro, Pa.
Gaar, Scott & Co., Richmond, Ind.
The M. Garland Company, Bay City, Mich.
Geiser Manufacturing Company, Waynesboro, Pa.
Giddings & Lewis Manufacturing Company, Fond du Lac, Wis.
Heilman Machine Works, Evansville, Ind.
Hench, Dromgold & Co., York, Pa.
Joshua Hendy Machine Works, San Francisco, Cal.
William E. Hill & Co., Kalamazoo, Mich.
Lane Manufacturing Company, Montpelier, Vt.
Lane & Bodley Company, Cincinnati, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Lombard Iron Works and Supply Company, Augusta, Ga.
Manning, Maxwell & Moore, New York.
Marseilles Manufacturing Company, Marseilles, Ill.
Wm. B. Mershon & Co., Saginaw, Mich.
National Iron Company, West Duluth, Minn.
Perkins & Co., Grand Rapids, Mich.

1823—MACHINERY, SAW MILL—Continued.

Port Huron Engine and Thresher Company, Port Huron, Mich.
The Rockwood Manufacturing Company, Indianapolis, Ind.
John Royle & Sons, Paterson, N. J.
Silver Manufacturing Company, Salem, Ohio.
Sinker-Davis Company, Indianapolis, Ind.
H. B. Smith Machine Company, Smithville, N. J.
Union Malleable Iron Company, East Moline, Ill.
Vulcan Iron Works, San Francisco, Cal.
Wheland Machine Works, Chattanooga, Tenn.
Wickes Brothers, Saginaw, Mich.
S. A. Woods Machine Company, South Boston, Mass.

1824—MACHINES, SCREW.

Brown & Sharpe Manufacturing Company, Providence, R. I.
Detrick & Harvey Machine Company, Baltimore, Md.
Garvin Machine Company, New York.
Geometric Drill Company, New Haven, Conn.
Gould & Eberhardt, Newark, N. J.
Hartford Machine Screw Company, Hartford, Conn.
Howard Iron Works, Buffalo, N. Y.
Jarecki Manufacturing Company, Erie, Pa.
Johnson Service Company, Milwaukee, Wis.
Manning, Maxwell & Moore, New York.
Morse Twist Drill and Machine Company, New Bedford, Mass.
National-Acme Manufacturing Company, Cleveland, Ohio.
National Machinery Company, Tiffin, Ohio.
Niles-Bement-Pond Company, New York.
F. E. Reed Company, Worcester, Mass.
Reed Manufacturing Company, Erie, Pa.
William Sellers & Co., Inc., Philadelphia, Pa.
Seneca Falls Manufacturing Company, Seneca Falls, N. Y.
Standard Tool Company, Cleveland, Ohio.
The Warner & Swasey Company, Cleveland, Ohio.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Wells Bros. Company, Greenfield, Mass.
Whitney Manufacturing Company, Hartford, Conn.

1825—MACHINES, SCROLL SAWING.

W. F. & John Barnes Company, Rockford, Ill.
J. A. Fay & Egan Company, Cincinnati, Ohio.
Gisholt Machine Company, Madison, Wis.
Manning, Maxwell & Moore, New York.
Seneca Falls Manufacturing Company, Seneca Falls, N. Y.

1826—MACHINES, SEWING.

Davis Sewing Machine Company, Dayton, Ohio.
Foley & Williams Manufacturing Company, Chicago, Ill.
National Sewing Machine Company, Belvidere, Ill.
Standard Sewing Machine Company, Cleveland, Ohio.
Wheeler & Wilson Manufacturing Company, Bridgeport, Conn.
White Sewing Machine Company, Cleveland, Ohio.
Willcox & Gibbs Sewing Machine Company, New York.
The Homer Young Company, Toledo, Ohio.

1827—MACHINES, SEWING, McKAY.

The Sewing Machine Supplies Company, Boston, Mass.

1828—MACHINES, SHAFT STRAIGHTENING AND TURNING.

Jas. Clark, Jr., & Co., Louisville, Ky.
Manning, Maxwell & Moore, New York.
Medart Patent Pulley Company, St. Louis, Mo.
H. B. Underwood & Co., Philadelphia, Pa.

1829—MACHINES, SHEARING AND CLIPPING.

Chicago Flexible Shaft Company, Chicago, Ill.
Curtis & Marble Machine Company, Worcester, Mass.
Wiebusch & Hilger, Ltd., New York.

1830—MACHINES, SHEET IRON CORRUGATING.

J. M. Robinson Manufacturing Company, Cincinnati, Ohio.

1831—MACHINERY, SHEET METAL WORKING.

Farrel Foundry and Machine Company, Ansonia, Conn.
Ferracute Machine Company, Bridgeton, N. J.
The Morgan Engineering Company, Alliance, Ohio.
Niagara Machine and Tool Works, Buffalo, N. Y.
John Robertson & Co., Brooklyn, N. Y.
J. M. Robinson Manufacturing Company, Cincinnati, Ohio.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1832—MACHINERY, SHINGLE.

American Machinery and Export Company, New York.
Curtis & Co. Manufacturing Company, St. Louis, Mo.
De Loach Manufacturing Company, Atlanta, Ga.
Giddings & Lewis Manufacturing Company, Fond du Lac, Wis.
Lane Manufacturing Company, Montpelier, Vt.
Perkins & Co., Grand Rapids, Mich.
Port Huron Engine and Thresher Company, Port Huron, Mich.
Trevor Manufacturing Company, Lockport, N. Y.
L. & I. J. White Company, Buffalo, N. Y.

1833—MACHINERY, SHIP BUILDERS'.

The Brown Hoisting Machinery Company, Cleveland, Ohio.
Detrick & Harvey Machine Company, Baltimore, Md.
J. A. Fay & Egan Company, Cincinnati, Ohio.
The Morgan Engineering Company, Alliance, Ohio.
Northern Engineering Works, Detroit, Mich.

1834—MACHINERY, SHIP LOADING AND UNLOADING.

(See also Cranes; also Winches and Capstans.)

Brown Hoisting Machinery Company, Cleveland, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
McMyler Manufacturing Company, Cleveland, Ohio.

1835—MACHINES, SHOE STITCHING.

The Sewing Machine Supplies Company, Boston, Mass.
Standard Sewing Machine Company, Cleveland, Ohio.

1836—MACHINERY, SHOP WOODWORKING.

(See Machinery, Woodworking.)

1837—MACHINERY, SLAUGHTER AND PACKING HOUSE.

John B. Adt, Baltimore, Md.
Bigelow Company, New Haven, Conn.
George H. Bishop & Co., Lawrenceburg, Ind.
Boomer & Boschert Press Company, Syracuse, N. Y.
Brecht B. S. Co., St. Louis, Mo.
Bernard Gloekler, Pittsburg, Pa.

1837—MACHINERY, SLAUGHTER AND PACKING HOUSE—Continued.

Houchin & Huber, Brooklyn, N. Y.
Kelly Foundry and Machine Company, Goshen, Ind.
L. O. Koven & Brother, New York.
The Platt Iron Works Company, Dayton, Ohio.
Silver Manufacturing Company, Salem, Ohio.
Sugar Apparatus Manufacturing Company, Philadelphia, Pa.
Weir & Craig Manufacturing Company, Chicago, Ill.

1838—MACHINES, SLITTING.

Blake & Johnson, Waterbury, Conn.
Brown & Sharpe Manufacturing Company, Providence, R. I.
The Garvin Machine Company, New York.
Manning, Maxwell & Moore, New York.
John Waldron Company, New Brunswick, N. J.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1839—MACHINES, SLOTTING.

(See Slotters.)

1840—MACHINERY, SMELTING.

(See Machinery, Concentrating and Smelting.)

1841—MACHINERY, SOAP MAKING.

Hersey Manufacturing Company, South Boston, Mass.
Houchin & Huber, Brooklyn, N. Y.
Union Steam Pulp Company, Battle Creek, Mich.

1842—MACHINERY, SODA WATER.

(See Carbonating Apparatus.)

1843—MACHINERY, SPIKE.

National Machinery Company, Tiffin, Ohio.

1844—MACHINERY, SPINNING.

James Barker, Philadelphia, Pa.
Crompton & Knowles Loom Works, Worcester, Mass.
Draper Company, Hopedale, Mass.
Easton & Burnham Machine Company, Pawtucket, R. I.
Kitson Machine Company, Lowell, Mass.
Mason Machine Works, Taunton, Mass.
Saco & Pettee Machine Shops, Newton Upper Falls, Mass.
Whitin Machine Works, Whitinsville, Mass.

1845—MACHINES, SPOT AND STAPLE SETTING.

Standard Rivet Company, Boston, Mass.
Tubular Rivet and Stud Company, Boston, Mass.

1846—MACHINERY, SPRING BED.

The Garvin Machine Company, New York.
Houchin & Huber, Brooklyn, N. Y.

1847—MACHINES, SPRING COILING.

Blake & Johnson, Waterbury, Conn.
The Garvin Machine Company, New York.
Houchin & Huber, Brooklyn, N. Y.
The A. H. Nilson Machine Company, Bridgeport, Conn.

1848—MACHINES, STAPLE.

Humphrey & Sons, Joliet, Ill.
St. Joseph Iron Works, St. Joseph, Mich.
F. B Shuster Company, New Haven, Conn.

1849—MACHINERY, STARCH.

Kaestner & Co., Inc., Chicago, Ill.
Nordyke & Marmon Company, Indianapolis, Ind.

1850—MACHINES, STONE CHANNELING.

Ingersoll-Sergeant Drill Company, New York.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Rand Drill Company, New York.
Sullivan Machinery Company, Chicago, Ill.

1851—MACHINERY, STREET SWEEPING.

J. G. Brill Company, Philadelphia, Pa.
Studebaker Brothers Manufacturing Company, South Bend, Ind.

1852—MACHINERY, SUBMARINE EXCAVATING.

Ingersoll-Sergeant Drill Company, New York.
Rand Drill Company, New York.
The Vulcan Iron Works Company, Toledo, Ohio.

1853—MACHINERY, SUGAR HOUSE.

Allis-Chalmers Company, Chicago, Ill.
American Tool and Machine Company, Boston, Mass.
E. B. Badger & Sons Company, Boston, Mass.
Birmingham Machine and Foundry Company, Birmingham, Ala.
Blymyer Iron Works Company, Cincinnati, Ohio.
Buffalo Forge Company, Buffalo, N. Y.
Chattanooga Plow Company, Chattanooga, Tenn.
Christopher Cunningham, Brooklyn, N. Y.
The Dimmick Pipe Company, Birmingham, Ala.
Farrel Foundry and Machine Company, Ansonia, Conn.
Goldens' Foundry and Machine Company, Columbus, Ga.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Guild & Garrison, Brooklyn, N. Y.
Hersey Manufacturing Company, South Boston, Mass.
Hoffman-Ahlers Company, Inc., Cincinnati, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
Logan Iron Works, Brooklyn, N. Y.
George M. Newhall Engineering Company, Ltd., Philadelphia. Pa.
The Platt Iron Works Company, Dayton, Ohio.
Pusey & Jones Company, Wilmington, Del.
Quintard Iron Works Company, New York.
T. Shriver & Co., New York.
The Stirling Company, Chicago, Ill.
Sugar Apparatus Manufacturing Company, Philadelphia, Pa.
John Trageser Steam Copper Works, New York.
R. D. Wood & Co., Philadelphia, Pa.

1854—MACHINERY, TACK MAKING.

Kimball Bros. & Sprague, Brockton, Mass.

1855—MACHINERY, TANNERS' AND CURRIERS'.

Union Steam Pump Company, Battle Creek, Mich.
Vaughn Machine Company, Peabody, Mass.
Milton F. Williams Manufacturing Company, St. Louis, Mo.

1856—MACHINES, TAPER ROLLING AND POINTING.

Bates Machine Company, Joliet, Ill.
Blake & Johnson, Waterbury, Conn.
Coulter & McKenzie Machine Company, Bridgeport, Conn.

1856—MACHINES, TAPER ROLLING AND POINTING—Continued.

J. G. Duke Machine Works, Memphis, Tenn.
Howard Iron Works, Buffalo, N. Y.
Manning, Maxwell & Moore, New York.
National Machinery Company, Tiffin, Ohio.
F. B. Shuster Company, New Haven, Conn.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Williams, White & Co., Moline, Ill.

1857—MACHINES, TESTING.

Brown & Sharpe Manufacturing Company, Providence, R. I.
Fairbanks Company, New York.
Gisholt Machine Company, Madison, Wis.
Nordyke & Marmon Company, Indianapolis, Ind.
William Sellers & Co., Inc., Philadelphia, Pa.
L. S. Starrett Company, Athol, Mass.
United Engineering and Foundry Company, Pittsburg, Pa.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1858—MACHINERY, TEXTILE.

Jacob K. Altemus, Philadelphia, Pa.
Barber & Colman, Rockford, Ill.
James Barker, Philadelphia, Pa.
H. W. Butterworth & Sons Company, Philadelphia, Pa.
Crompton & Knowles Loom Works, Worcester, Mass.
Curtis & Marble Machine Company, Worcester, Mass.
Draper Company, Hopedale, Mass.
Easton & Burnham Machine Company, Pawtucket, R. I.
Kitson Machine Company, Lowell, Mass.
Mason Machine Works, Taunton, Mass.
Nye & Tredick Company, Philadelphia, Pa.
John Royle & Sons, Paterson, N. J.
Saco and Pettee Machine Shops, Newton Upper Falls, Mass.
Schaum & Uhlinger, Philadelphia, Pa.
Textile Machine Works, Reading, Pa.
Trump Brothers Machine Company, Wilmington, Del.
Whitin Machine Works, Whitinsville, Mass.

1859—MACHINES, THREAD ROLLING.

Blake & Johnson, Waterbury, Conn.
The A. H. Nilson Machine Company, Bridgeport, Conn.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1860—MACHINERY, TILE MAKING.

The Crossley Manufacturing Company, Trenton, N. J.
The C. W. Raymond Company, Dayton, Ohio.

1861—MACHINERY, TIN CAN.

Niagara Machine and Tool Works, Buffalo, N. Y.
Peck, Stow & Wilcox Company, Southington, Conn.

1862—MACHINERY, TOBACCO.

John B. Adt, Baltimore, Md.
Buckeye Iron and Brass Works, Dayton, Ohio.
Cardwell Machine Company, Richmond, Va.
The Miller, Du Brul & Peters Manufacturing Company, Cincinnati, Ohio.
L. & I. J. White Company, Buffalo, N. Y.

1863—MACHINERY, TOILET PAPER.

Keystone Type Foundry, Philadelphia, Pa.

1864—MACHINE TOOLS.

(See Machinery, Metal Working; also Machinery, Wood Working.)

1865—MACHINES, TOWING.

American Ship Windlass Company, Providence, R. I.
Chase Machine Company, Cleveland, Ohio.

1866—MACHINES, TWINE BALLING.

Draper Company, Hopedale, Mass.
John Loyd Company, New York.
Watson Machine Company, Paterson, N. J.

1867—MACHINES, TYPE-CASTING AND COMPOSING.

Mergenthaler Linotype Company, New York.

1868—MACHINES, VALVE RESEATING.

John Simmons Company, New York.

1869—MACHINES, VENEER CUTTING.

Farrel Foundry and Machine Company, Ansonia, Conn.
Manning, Maxwell & Moore, New York.
St. Joseph Iron Works, St. Joseph, Mich.
Trevor Manufacturing Company, Lockport, N. Y.

1870—MACHINERY, WALL PAPER.

John Waldron Company, New Brunswick, N. J.

1871—MACHINERY, WATER WORKS.

Bingham & Taylor, Buffalo, N. Y.
Buffalo Forge Company, Buffalo, N. Y.
Crane Company, Chicago, Ill.
Deming Company, Salem, Ohio.
Epping-Carpenter Company, Pittsburg, Pa.
Herron Pump and Foundry Company, Chattanooga, Tenn.
Illinois Malleable Iron Company, Chicago, Ill.
Jeanesville Iron Works Company, Hazelton, Pa.
L. O. Koven & Brother, New York.
New York Continental Jewell Filtration Company, New York.
Southwark Foundry and Machine Company, Philadelphia, Pa.
The Springfield Bridge and Iron Company, Springfield, Ill.
Walworth Manufacturing Company, Boston, Mass.

1872—MACHINES, WEIGHING.

Buffalo Scale Company, Buffalo, N. Y.
Computing Scale Company, Dayton, Ohio.
Fairbanks Company, New York.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Howe Scale Company, Boston, Mass.
Jones of Binghamton, Binghamton, N. Y.
Osgood Scale Company, Binghamton, N. Y.
Pelouze Scale and Manufacturing Company, Chicago, Ill.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
Standard Scale and Supply Company, Ltd., Pittsburg, Pa.
H. N. Strait Manufacturing Company, Kansas City, Kan.

1873—MACHINERY, WELL-BORING.

American Diamond Rock Drill Company, New York.
Baker Iron Works, Los Angeles, Cal.
A. S. Cameron Steam Pump Works, New York.
Flint & Walling Manufacturing Company, Kendallville, Ind.
The Frost Manufacturing Company, Galesburg, Ill.

1873—MACHINERY, WELL-BORING—Continued.

Fulton Engine Works, Los Angeles, Cal.
Keystone Driller Company, Beaver Falls, Pa.
Leidecker Tool Company, Marietta, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
National Iron Company, West Duluth, Minn.
Oil Well Supply Company, Pittsburg, Pa.
Rand Drill Company, New York.
Star Drilling Machine Company, Akron, Ohio.
United States Engine Company, Parkersburg, W. Va.

1874—MACHINERY, WHEEL.

(See Machinery, Hub, Spoke and Rim.)

1875—MACHINERY, WHEEL TIRE.

Williams, White & Co., Moline, Ill.

1876—MACHINES, WHITE-WASHING.

The E. C. Brown Company, Rochester, N. Y.
Field Force Pump Company, Elmira, N. Y.
Liquid Carbonic Company, Chicago, Ill.
Water Paint Company of America, New York.

1877—MACHINERY, WINDING.

Jacob K. Altemus, Philadelphia, Pa.
Barber & Colman, Rockford, Ill.
Jas. Clark Jr., & Co., Louisville, Ky.
Draper Company, Hopedale, Mass.
Eagle Iron Works, Des Moines, Iowa.
Easton & Burnham Machine Company, Pawtucket, R. I.
Leighton Machine Company, Manchester, N. H.
Manning, Maxwell & Moore, New York.
New England Butt Company, Providence, R. I.
Saco and Pettee Machine Shops, Newton Upper Falls, Mass.
Textile Machine Works, Reading, Pa.
John Waldron Company, New Brunswick, N. J.
Whitin Machine Works, Whitinsville, Mass.

1878—MACHINERY, WIRE DRAWING.

Blake & Johnson, Waterbury, Conn.
Cyrus Currier & Sons, Newark, N. J.
Farrel Foundry and Machine Company, Ansonia, Conn.
Manning, Maxwell & Moore, New York.
Morgan Construction Company, Worcester, Mass.
Riverside Foundry Company, Cleveland, Ohio.
F. B. Shuster Company, New Haven, Conn.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

1879—MACHINERY, WIRE INSULATING.

Chase Machine Company, Cleveland, Ohio.
New England Butt Company, Providence, R. I.
John Robertson & Co., Brooklyn, N. Y.
John Royle & Sons, Paterson, N. J.
Textile Machine Works, Reading, Pa.

1880—MACHINES, WIRE NAIL.

Blake & Johnson, Waterbury, Conn.
Kimball Bros. & Sprague, Brockton, Mass.
National Machinery Company, Tiffin, Ohio.

1881—MACHINERY, WIRE STRAIGHTENING AND FORMING.

Bates Machine Company, Joliet, Ill.
Blake & Johnson, Waterbury, Conn.
Chase Machine Company, Cleveland, Ohio.
Coulter & McKenzie Machine Company, Bridgeport, Conn.
Farrel Foundry and Machine Company, Ansonia, Conn.
The Garvin Machine Company, New York.
Hartford Machine Screw Company, Hartford, Conn.
Lamb Wire Fence Company, Adrian, Mich.
Manning, Maxwell & Moore, New York.
The A. H. Nilson Machine Company, Bridgeport, Conn.
Pittsburgh Manufacturing Company, Pittsburg, Pa.
St. Joseph Iron Works, St. Joseph, Mich.
William Sellers & Co., Inc., Philadelphia, Pa.
F. B. Schuster Company, New Haven, Conn.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Wilcox Manufacturing Company, Aurora, Ill.

1882—MACHINERY, WIRE WEAVING.

Houchin & Huber, Brooklyn, N. Y.

1883—MACHINERY, WOOD CUTTING AND SPLITTING.

Curtis & Co. Manufacturing Company, St. Louis, Mo.
De Loach Mill Manufacturing Company, Atlanta, Ga.
Giddings & Lewis Manufacturing Company, Fond du Lac, Wis.
William E. Hill & Co., Kalamazoo, Mich.
Lane Manufacturing Company, Montpelier, Vt.
John Loyd Company, New York.
Perkins & Co., Grand Rapids, Mich.
St. Joseph Iron Works, St. Joseph, Mich.
The Sandy Hill Iron and Brass Works, Sandy Hill, N. Y.
Trevor Manufacturing Company, Lockport, N. Y.

1884—MACHINERY, WOOD DISH.

The Defiance Machine Works, Defiance, Ohio.
St. Joseph Iron Works, St. Joseph, Mich.

1885—MACHINERY, WOOD PULP.

The Bagley & Sewall Company, Watertown, N. Y.
Eastwood Wire Manufacturing Company, Belleville, N. J.
Moore & White Company, Philadelphia, Pa.
George M. Newhall Engineering Company, Ltd., Philadelphia, Pa.
The Portland Company, Portland, Me.
Pusey & Jones Company, Wilmington, Del.
The Sandy Hill Iron and Brass Works, Sandy Hill, N. Y.
Taylor, Stiles & Co., Riegelsville, N. J.

1886—MACHINERY, WOOD WORKING.

The Advance Machinery Company, Toledo, Ohio.
American Machinery and Export Company, New York.
American Steam Pump Company, Battle Creek, Mich.
American Wood Working Machinery Company, New York.
Baird Machinery Company, Pittsburg, Pa.
W. F. & John Barnes Company, Rockford, Ill.
The Berlin Machine Works, Beloit, Wis.
Crescent Machine Company, Leetonia, Ohio.
Thos. H. Dallett Company, Philadelphia, Pa.
Dayton Globe Iron Works Company, Dayton, Ohio.
The Defiance Machine Works, Defiance, Ohio.
De Loach Mill Manufacturing Company, Atlanta, Ga.

1886—MACHINERY, WOOD WORKING—Continued.

J. A. Fay & Egan Company, Cincinnati, Ohio.
The M. Garland Company, Bay City, Mich.
Hall & Brown Working Machine Company, St. Louis, Mo.
William E. Hill & Co., Kalamazoo, Mich.
Lane Manufacturing Company, Montpelier, Vt.
Manning, Maxwell & Moore, New York.
New Britain Machine Company, New Britain, Conn.
New Haven Manufacturing Company, New Haven, Conn.
The Ober Manufacturing Company, Chagrin Falls, Ohio.
John S. Oram, Cleveland, Ohio.
John Royle & Sons, Paterson, N. J.
St. Joseph Iron Works, St. Joseph, Mich.
Seneca Falls Manufacturing Company, Seneca Falls, N. Y.
Silver Manufacturing Company, Salem, Ohio.
Sinker-Davis Company, Indianapolis, Ind.
H. B. Smith Machine Company, Smithville, N. J.
H. N. Strait Manufacturing Company, Kansas City, Kan.
Trevor Manufacturing Company, Lockport, N. Y.
L. & I. J. White Company, Buffalo, N. Y.
S. A. Woods Machine Company, South Boston, Mass.

1887—MACHINERY, WOOLEN.

James Barker, Philadelphia, Pa.
Curtis & Marble Machine Company, Worcester, Mass.

1888—MACHINERY, WRAPPING.

Burt Machine Company, Baltimore, Md.

1889—MACHINISTS.

Atlantic Works, East Boston, Mass.
Baker Iron Works, Los Angeles, Cal.
The Ball & Wood Company, New York.
A. F. Bartlett & Co., Saginaw, Mich.
Bartlett, Hayward & Co., Baltimore, Md.
Bates Machine Company, Joliet, Ill.
Bethlehem Steel Company, South Bethlehem, Pa.
Bigelow Company, New Haven, Conn.
Birmingham Machine and Foundry Company, Birmingham, Ala.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Buhl Malleable Company, Detroit, Mich.
Caird & Hawksworth, Helena, Mont.
Thomas Carlin's Sons Company, Allegheny, Pa.
The Case Manufacturing Company, Columbus, Ohio.
Chase Machine Company, Cleveland, Ohio.
Chattanooga Car and Foundry Company, Chattanooga, Tenn.
Clarage Foundry and Manufacturing Company, Kalamazoo, Mich.
E. J. Codd Company, Baltimore, Md.
Coulter & McKenzie Machine Company, Bridgeport, Conn.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Detrick & Harvey Machine Company, Baltimore, Md.
Eagle Bicycle Manufacturing Company, Torrington, Conn.
The Earle Gear and Machine Company, Philadelphia, Pa.
Eastwood Wire Manufacturing Company, Belleville, N. J.
Farrar & Trefts, Buffalo, N. Y.
Farrel Foundry and Machine Company, Ansonia, Conn.
Filer & Stowell Company, Milwaukee, Wis.
The Flynn & Emrich Company, Baltimore, Md.
Fuller Iron Works, Providence, R. I.

1889—MACHINISTS—Continued.

Fulton Engine Works, Los Angeles, Cal.
Geometric Drill Company, New Haven, Conn.
Gisholt Machine Company, Madison, Wis.
Globe Iron Works, Stockton, Cal.
Great Lakes Engineering Works, Detroit, Mich.
Edwin Harrington, Son & Co., Inc., Philadelphia, Pa.
Heyl & Patterson, Pittsburg, Pa.
H. E. Holmes & Co., San Francisco, Cal.
The Houston, Stanwood & Gamble Company, Cincinnati, Ohio.
Humphrey & Sons, Joliet, Ill.
Jackson & Church Company, Saginaw, Mich.
The Johnson Iron Works, Ltd., New Orleans, La.
Johnson Service Company, Milwaukee, Wis.
Judson Governor Company, Rochester, N. Y.
King Iron Works, Buffalo, N. Y.
L. O. Koven & Brother, New York.
Kroeschell Brothers Company, Chicago, Ill.
Lane & Bodley Company, Cincinnati, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
Llewellyn Iron Works, Los Angeles, Cal.
Lobdell Car Wheel Company, Wilmington, Del.
Love Brothers, Inc., Aurora, Kane County, Ill.
Jos. McWilliams & Co., Louisville, Ky.
Macbeth Iron Company, Cleveland, Ohio.
Mackintosh, Hemphill & Co., Pittsburg, Pa.
Manning, Maxwell & Moore, New York.
Marshutz & Cantrell, San Francisco, Cal.
The Meisel Manufacturing Company, Port Huron, Mich.
The Milner & Kettig Company, Birmingham, Ala.
John Mohr & Sons, Chicago, Ill.
Moran Bros. Company, Seattle, Wash.
Morgan Construction Company, Worcester, Mass.
The Morgan Engineering Company, Alliance, Ohio.
Munson Bros. Company, Utica, N. Y.
National Iron Company, West Duluth, Minn.
National Machinery Company, Tiffin, Ohio.
R. S. Newbold & Son Company, Norristown, Pa.
George M. Newhall Engineering Company, Ltd., Philadelphia, Pa
Nordyke & Marmon Company, Indianapolis, Ind.
Pennsylvania Engineering Works, New Castle, Pa.
Pittsburgh Machine Tool Company, Allegheny, Pa.
Pittsburgh Manufacturing Company, Pittsburg, Pa.
Pittsburgh Valve, Foundry and Construction Company, Pittsburg, Pa.
The Platt Iron Works Company, Dayton, Ohio.
The Portland Company, Portland, Me.
Power Specialty Company, Detroit, Mich.
Quintard Iron Works Company, New York.
James Rees & Sons Company, Pittsburg, Pa.
The Reeves Brothers Company, Alliance, Ohio.
Robins Conveying Belt Company, New York.
Ross Meehan Foundry Company, Chattanooga, Tenn.
Ruemmeli-Dawley Manufacturing Company, St. Louis, Mo.
Russel Wheel and Foundry Company, Detroit, Mich.
Sherwood Manufacturing Company, Buffalo, N. Y.
T. Shriver & Co., New York.
F. B. Shuster Company, New Haven, Conn.
Southern Iron and Equipment Company, Atlanta, Ga.

1889—MACHINISTS—Continued.

Sprout, Waldron & Co., Muncy, Pa.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
Sterrit-Thomas Foundry Company, Pittsburg, Pa.
Tarrant Foundry Company, Chicago, Ill.
Robert Tarrant, Chicago, Ill.
Taylor, Stiles & Co., Riegelsville, N. J.
Textile Machine Works, Reading, Pa.
John E. Thropp's Sons Co., Trenton, N. J.
M. H. Treadwell & Co., of Pa., Lebanon, Pa.
Trump Brothers Machine Company, Wilmington, Del.
United Engineering and Foundry Company, Pittsburg, Pa.
Variety Iron Works Company, Cleveland, Ohio.
Vaughn Machine Company, Peabody, Mass.
William Vogel & Brothers, Brooklyn, N. Y.
Henry Vogt Machine Company, Louisville, Ky.
The Vulcan Iron Works, Seattle, Wash.
The Vulcan Iron Works Company, Toledo, Ohio.
John Waldron Company, New Brunswick, N. J.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Watson-Stillman Company, New York.
Wheland Machine Works, Chattanooga, Tenn.
Whiting Foundry Equipment Company, Harvey, Ill.
Wickes Brothers, Saginaw, Mich.
R. D. Wood & Co., Philadelphia, Pa.

1890—MACKINTOSHES.

(See Coats, Rain.)

1891—MAGNESIA PRODUCTS.

Philip Carey Manufacturing Company, Lockland, Ohio.
Harbison-Walker Refractories Company, Pittsburg, Pa.
Keasbey & Mattison Company, Ambler, Pa.

1892—MAIL BOXES.

(See Letter Boxes.)

1893—MAIL CATCHERS.

Taylor & Boggis Foundry Company, Cleveland, Ohio.

1894—MALLETS.

John H. Graham & Co., New York.
National Novelty Corporation, New York.
Piqua Handle and Manufacturing Company, Piqua, Ohio.
The Sewing Machine Supplies Company, Boston, Mass.
John Sommer's Son, Newark, N. J.
Stanley Rule and Level Company, New Britain, Conn.
United States Bung Manufacturing Company, Brooklyn, N. Y.

1895—MALT.

The Columbia Malting Company, Chicago, Ill.
Miner-Hillard Milling Company, Wilkes-Barre, Pa.
H. W. Rickel & Co., Detroit, Mich.
The Konrad Schreier Company, Sheboygan, Wis.

1896—MALT EXTRACT.

Anheuser-Busch Brewing Association, St. Louis, Mo.
Otto Huber Brewery, Brooklyn, N. Y.
Malta-Vita Pure Food Company, Battle Creek, Mich.
Maltine Company, Brooklyn, N. Y.
Parke, Davis & Co., Detroit, Mich.
Joseph Schlitz Brewing Company, Milwaukee, Wis.

1897—MALT TONIC.

Anheuser-Busch Brewing Association, St. Louis, Mo.
Finlay Brewing Company, Toledo, Ohio.
Malta-Vita Pure Food Company, Battle Creek, Mich.
Maltine Company, Brooklyn, N. Y.
Parke, Davis & Co., Detroit, Mich.

1898—MANGANESE.

Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

1899—MANGANESE-BRONZE, ROLLED AND CAST.

(See Bronze, Manganese.)

1900—MANGLES, HAND AND POWER.

H. W. Butterworth & Sons Company, Philadelphia, Pa.
A. T. Hagen Company, Rochester, N. Y.
Lovell Manufacturing Company, Erie, Pa.

1901—MANHEADS, PRESSED STEEL.

Bingham & Taylor, Buffalo, N. Y.
Glasgow Iron Company, Pottstown, Pa.
The "Long-Arm" System Company, Cleveland, Ohio.

1902—MANTELS, IRON.

Phillips & Buttorff Manufacturing Company, Nashville, Tenn.
Price-Evans Foundry Company, Chattanooga, Tenn.

1903—MANTELS, WOOL.

Aldine Grate and Mantel Company, Grand Rapids, Mich.
E. Bailey and Sons, Inc., Patchogue, N. Y.
The Edwards Lumber and Coal Company, Long Branch, N. J.
Foster Lumber Company, Indianapolis, Ind.
Frankfort Chair Company, Frankfort, Ky.
Henry Gaus & Sons Manufacturing Company, St. Louis, Mo.
Himmelberger-Harrison Lumber Company, Morehouse, Mo.
Irving & Casson, Boston, Mass.
Knoxville Furniture Company, Knoxville, Tenn.
Massee & Felton Lumber Company, Macon, Ga.
Wm. Miller & Sons, Inc., Rochester, Pa.
The Robert Mitchell Furniture Company, Cincinnati, Ohio.
New York Dimension Supply Company, New York.
Scott-Graff Lumber Company, Duluth, Minn.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.
Henry Taylor Lumber Company, Lafayette, Ind.
A. & S. Wilson Company, Pittsburg, Pa.

1904—MANTLE SUPPORTS.

Spencer Wire Company, Worcester, Mass.
Welsbach Company, Gloucester, N. J.

1905—MANTLES, INCANDESCENT GAS.

The Best Street Light Company, Canton, Ohio.
Practical Gas Construction Company, North Chicago, Ill.
Welsbach Company, Gloucester, N. J.

1906—MAPS AND CHARTS.

Julius Bien & Co., New York.
R. O. Evans & Co., Owensboro, Ky.
Franklin Hudson Publishing Company, Kansas City, Mo.
F. C. Nunemacher, Louisville, Ky.
Rand, McNally & Co., Chicago, Ill.
Strobridge Lithographing Company, Cincinnati, Ohio.

1907—MARBLE.

The Blue Ridge Marble Company, Nelson, Ga.
The Columbia Marble Company, San Francisco, Cal.
The Evans Marble Company, Baltimore, Md.
The Georgia Marble Company, Tate, Ga.
Hilgartner Marble Company, Baltimore, Md.
The Kennesaw Marble Company, Marietta, Ga.
Republic Marble Company, Knoxville, Tenn.

1908—MARKERS, CORN PLANTING.

Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
A. Buch's Sons Company, Elizabethtown, Pa.

1909—MASSAGE APPARATUS.

(See Machines, Massage.)

1910—MATCHES.

Illinois Match Company, Joliet, Ill.

1911—MATS AND MATTING, RUBBER.

Boston Belting Company, Boston, Mass.
Diamond Rubber Company, Akron, Ohio.
Empire Rubber Manufacturing Company, Trenton, N. J.
The Eureka Rubber Manufacturing Company, Trenton, N. J.
Grieb Rubber Company, Philadelphia, Pa.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
Hartford Rubber Works Company, Hartford, Conn.
Home Rubber Company, Trenton, N. J.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.
Quaker City Rubber Company, Philadelphia, Pa.
Revere Rubber Company, Boston, Mass.

1912—MATTINGS, JUTE.

Chelsea Jute Mills, New York.

1913—MATTOCKS.

Collins & Co., New York.
The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
John H. Graham & Co., New York.
Iron City Tool Works, Ltd., Pittsburg, Pa.
The Klein-Logan Company, Pittsburg, Pa.
Oliver Iron and Steel Company, Pittsburg, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Warwood Tool Company, Wheeling, W. Va.

1914—MATTRESSES, COTTON, FELT, WOOL, ETC.

O. D. Baker & Co., Boston, Mass.
Carman Manufacturing Company, Tacoma, Wash.
A. J. Logan & Co., Pittsburg, Pa.
Seattle Mattress and Upholstery Company, Seattle, Wash.
Stearns & Foster Company, Cincinnati, Ohio.

1915—MATTRESSES, WIRE.

O. D. Baker & Co., Boston, Mass.
Carman Manufacturing Company, Tacoma, Wash.
Cleveland Wire Spring Company, Cleveland, Ohio.
Foster Bros. Manufacturing Company, Utica, N. Y.
M. A. Hunt & Co., Cincinnati, Ohio.
T. B. Laycock Manufacturing Company, Indianapolis, Ind.
A. J. Logan & Co., Pittsburg, Pa.

1915—MATTRESSES, WIRE—Continued.

Seattle Mattress and Upholstery Company, Seattle, Wash.
The Simmons Manufacturing Company, Chicago, Ill.
Union Wire Mattress Company, Chicago, Ill.

1916—MEAL, COTTON SEED.

American Cotton Oil Company, New York.
Kentucky Refining Company, Louisville, Ky.
Meridian Fertilizer Factory, Meridian, Miss.
The Perkins Oil Company, Memphis, Tenn.
Procter & Gamble Company, Cincinnati, Ohio.
J. Allen Smith & Co., Inc., Knoxville, Tenn.
The Southern Cotton Oil Company, New York.
Virginia-Carolina Chemical Company, Richmond, Va.

1917—MEATS, CANNED.

Armour & Co., Chicago, Ill.
Beech-Nut Packing Company, Canajoharie, N. Y.
The Cudahy Packing Company, New York.
Curtice Bros. Company, Rochester, N. Y.
G. H. Hammond Company, Chicago, Ill.
Kingan & Co., Ltd., Indianapolis, Ind.
Libby, McNeil & Libby, Inc., Chicago, Ill.
Morris & Company, Chicago, Ill.
St. Louis Dressed Beef and Provision Company, St. Louis, Mo.
Swift and Company, Chicago, Ill.
Tuhey Canning Company, Muncie, Ind.
Van Camp Packing Company, Indianapolis, Ind.

1918—MEDICINES, CATTLE.

International Stock Food Company, Minneapolis, Minn.
Parke, Davis & Co., Detroit, Mich.

1919—MEDICINES, PROPRIETARY.

Chattanooga Medicine Company, Chattanooga, Tenn.
Emerson Drug Company, Baltimore, Md.
Hall & Ruckel, New York.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Horlick's Food Company, Racine, Wis.
Hostetter Company, Pittsburg, Pa.
Dr. D. Jayne & Son, Philadelphia, Pa.
Keasbey & Mattison Company, Ambler, Pa.
Dr. Kilmer & Co., Binghamton, N. Y.
Malta-Vita Pure Food Company, Battle Creek, Mich.
Maltine Company, Brooklyn, N. Y.
Dr. Miles Medical Company, Elkhart, Ind.
Moxie Nerve Food Company of New England, Boston, Mass.
National Remedy Company, New York.
Paris Medicine Company, St. Louis, Mo.
Parke, Davis & Co., Detroit, Mich.
The Peruna Drug Manufacturing Company, Columbus, Ohio.
Dr. Shoop Family Medicine Company, Racine, Wis.
Smith Brothers, Poughkeepsie, N. Y.
Frederick Stearns & Co., Detroit, Mich.
Swanson Rheumatic Cure Company, Chicago, Ill.
Taft's Asthmalene Company, New York.
Henry K. Wampole & Co., Philadelphia, Pa.
William R. Warner & Co., Philadelphia, Pa.

1920—METAL, EXPANDED.

American Sheet and Tin Plate Company, Pittsburg, Pa.
Chess Brothers, Pittsburg, Pa.
Merritt & Co., Inc., Philadelphia, Pa.
Muskingum Valley Steel Company, Zanesville, Ohio.

1921—METAL, PERFORATED.

Allis-Chalmers Company, Chicago, Ill.
Jeffrey Manufacturing Company, Columbus, Ohio.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Taylor Iron and Steel Company, High Bridge, N. J.

1922—METAL WORK, ARCHITECTURAL.

(See Ironwork, Architectural; also Architectural Sheet Metal Work.)

1923—METAL WORK, ORNAMENTAL.

Brown-Ketcham Iron Works, Indianapolis, Ind.
Gorham Manufacturing Company, New York.
Lamb Wire Fence Company, Adrian, Mich.
A. Lucas & Sons, Peoria, Ill.
Manhattan Brass Company, New York.
Merritt & Co., Inc., Philadelphia, Pa.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Milliken Brothers, New York.
The J. L. Mott Iron Works, New York.
W. H. Mullins, Salem, Ohio.
Quintard Iron Works Company, New York.
The Standard Company, Chicago, Ill.
Taylor & Dean, Pittsburg, Pa.
W. S. Tyler Company, Cleveland, Ohio.
Jno. Williams, New York.
Yale & Towne Manufacturing Company, New York.

1924—METAL WORK, SHEET.

(See Sheet and Plate Metal Work.)

1925—METERS, ELECTRICAL.

(See Electrical Measuring Instruments.)

1926—METERS, GAS.

The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
Equitable Meter Company, Pittsburg, Pa.

1927—METERS, WATER.

Hersey Manufacturing Company, South Boston, Mass.
National Meter Company, New York.
John Simmons Company, New York.
Thomson Meter Company, Brooklyn, N. Y.

1928—MICROSCOPES.

Bausch & Lomb Optical Company, Rochester, N. Y.

1929—MILITARY EQUIPMENT.

B. Conlan & Co., Newark, N. J.
The Henderson-Ames Company, Kalamazoo, Mich.
The M. C. Lilley & Co., Inc., Columbus, Ohio.

1930—MILK, CONDENSED.

Borden's Condensed Milk Company, New York.
Helvetia Milk Condensing Company, Highland, Ill.

1931—MILK, MALTED.

Borden's Condensed Milk Company, New York.
Horlick's Food Company, Racine, Wis.

1932—MILK JARS, GLASS.

Whitall-Tatum Company, New York.

1933—MILL STONES.

Munson Bros. Company, Utica, N. Y.

1934—MILL SUPPLIES, INDUSTRIAL.

American Wood Working Machinery Company, New York.
Charles Bond, Philadelphia, Pa.
Crane Company, Chicago, Ill.
Dunham, Carrigan & Hayden Company, San Francisco, Cal.
Fairbanks Company, New York.
Fiske Brothers Refining Company, New York.
Glasgow Iron Company, Pottstown, Pa.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
George A. Haws, New York.
Home Rubber Company, Trenton, N. J.
E. F. Houghton & Co., Philadelphia, Pa.
Keasbey & Mattison Company, Ambler, Pa.
Kelly & Jones Company, New York.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Main Belting Company, Philadelphia, Pa.
Manning, Maxwell & Moore, New York.
Morgan & Wright, Chicago, Ill.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.
Nordyke & Marmon Company, Indianapolis, Ind.
William F. Nye, New Bedford, Mass.
Page Belting Company, Concord, N. H.
Pennsylvania Lubricating Company, Pittsburg, Pa.
Power Specialty Company, Detroit, Mich.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Quaker City Rubber Company, Philadelphia, Pa.
Revere Rubber Company, Boston, Mass.
Richmond City Mill Works, Richmond, Ind.
The Scranton Supply and Machinery Company, Scranton, Pa.
Sherwood Manufacturing Company, Buffalo, N. Y.
Stephenson Manufacturing Company, Albany, N. Y.
Union Petroleum Company, Philadelphia, Pa.
United and Globe Rubber Manufacturing Companies, Trenton, N. J.
The Vulcan Iron Works, Seattle, Wash.

1935—MILL SUPPLIES, TEXTILE.

C. F. Crehore & Son, Boston, Mass.
William H. Haskell Manufacturing Company, Pawtucket, R. I.
George A. Haws, New York.
Louisville Cotton Mills Company, Louisville, Ky.
Mechanical Fabric Company, Providence, R. I.
National Novelty Corporation, New York.
William F. Nye, New Bedford, Mass.

1936—MILLINERY NOVELTIES.

B. Conlan & Co., Newark, N. J.
Dexter, Lambert & Co., Paterson, N. J.
The Doherty & Wadsworth Company, Paterson, N. J.
A. B. Fiedler & Sons, Chicago, Ill.
Johnson, Cowdin & Co., New York.

1937—MILLS, BORING AND TURNING.

Baird Machinery Company, Pittsburg, Pa.
Baush Machine Tool Company, Springfield, Mass.
Betts Machine Company, Wilmington, Del.
Bickford Drill and Tool Company, Cincinnati, Ohio.
Bullard Machine Tool Company, Bridgeport, Conn.
Gisholt Machine Company, Madison, Wis.
Manning, Maxwell & Moore, New York.
New Haven Manufacturing Company, New Haven, Conn.
Niles-Bement-Pond Company, New York.
Porter & Johnston Machine Company, Pawtucket, R. I.
William Sellers & Co., Inc., Philadelphia, Pa.
The Warner & Swasey Company, Cleveland, Ohio.

1938—MILLS, CANE.

Blymyer Iron Works Company, Cincinnati, Ohio.
Buffalo Forge Company, Buffalo, N. Y.
Chattanooga Plow Company, Chattanooga, Tenn.
Farrel Foundry and Machine Company, Ansonia, Conn.
Goldens' Foundry and Machine Company, Columbus, Ga.
George M. Newhall Engineering Company, Ltd., Philadelphia, Pa.
Pusey & Jones Company, Wilmington, Del.

1939—MILLS, CIDER.

Hench, Dromgold & Co., York, Pa.
Keystone Farm Machine Company, York, Pa.
Frank C. Patten Company, Sycamore, Ill.

1940—MILLS, COFFEE.

Arcade Manufacturing Company, Freeport, Ill.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.
John H. Graham & Co., New York.
The Griswold Manufacturing Company, Erie, Pa.
Huntley Manufacturing Company, Silver Creek, N. Y.
Landers, Frary & Clark, New Britain, Conn.
National Novelty Corporation, New York.
The Charles Parker Company, Meriden, Conn.

1941—MILLS, CORN AND FEED.

American Machinery and Export Company, New York.
Baker Manufacturing Company, Evansville, Wis.
Barnard & Leas Manufacturing Company, Moline, Ill.
C. O. Bartlett & Snow Company, Cleveland, Ohio.
Benicia Iron Works, Benicia, Cal.
Blymyer Iron Works Company, Cincinnati, Ohio.
The A. & F. Brown Company, New York.
De Loach Mill Manufacturing Company, Atlanta, Ga.
Engelberg Huller Company, Syracuse, N. Y.
Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa
Foos Manufacturing Company, Springfield, Ohio.
The S. Freeman & Sons Manufacturing Company, Racine, Wis.
Kaestner & Co., Inc., Chicago, Ill.
O. S. Kelly Company, Springfield, Ohio.
Keystone Farm Machine Company, York, Pa.
Marseilles Manufacturing Company, Marseilles, Ill.
Munson Bros. Company, Utica, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.
Richmond City Mill Works, Richmond, Ind.
Sandwich Manufacturing Company, Sandwich, Ill.

1941—MILLS, CORN AND FEED—Continued.

Silver Manufacturing Company, Salem, Ohio.
Sprout, Waldron & Co., Muncy, Pa.
Stover Manufacturing Company, Freeport, Ill.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.
Milton F. Williams Manufacturing Company, St. Louis, Mo.
The Wolf Company, Chambersburg, Pa.

1942—MILLS, CRUSHING AND PULVERIZING.

(See Machinery, Crushing and Pulverizing.)

1943—MILLS, CYANIDE GOLD EXTRACTING.

(See Cyanide Gold Extracting Plants.)

1944—MILLS, DRUG.

The A. & F. Brown Company, New York.
The Denver Fire Clay Company, Denver, Col.
Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.
Houchin & Huber, Brooklyn, N. Y.
Riverside Foundry Company, Cleveland, Ohio.
Sprout, Waldron & Co., Muncy, Pa.
Milton F. Williams Manufacturing Company, St. Louis, Mo.

1945—MILLS, FANNING.

Barnard & Leas Manufacturing Company, Moline, Ill.
Belle City Manufacturing Company, Racine Junction, Wis.
Cardwell Machine Company, Richmond, Va.
Clarage Foundry and Manufacturing Company, Kalamazoo, Mich.
Engelberg Huller Company, Syracuse, N. Y.
The S. Freeman & Sons Manufacturing Company, Racine, Wis.
Huntley Manufacturing Company, Silver Creek, N. Y.
Marseilles Manufacturing Company, Marseilles, Ill.
Nordyke & Marmon Company, Indianapolis, Ind.
Richmond City Mill Works, Richmond, Ind.
Sprout, Waldron & Co., Muncy, Pa.
Union Iron Works, Decatur, Ill.
The Wolf Company, Chambersburg, Pa.

1946—MILLS, FLOUR.

(See Machinery, Flour Mill.)

1947—MILLS, HOMINY AND TORTILLA.

Engelberg Huller Company, Syracuse, N. Y.
Keystone Farm Machine Company, York, Pa.
Nordyke & Marmon Company, Indianapolis, Ind.

1948—MILLS, PAINT.

C. O. Bartlett & Snow Company, Cleveland, Ohio.
The A. & F. Brown Company, New York.
Green's Car Wheel Manufacturing Company, St. Louis, Mo.
Houchin & Huber, Brooklyn, N. Y.
Kaestner & Co., Inc., Chicago, Ill.
Riverside Foundry Company, Cleveland, Ohio.
Sprout, Waldron & Co., Muncy, Pa.

1949—MILLS, STAMP.

Allis-Chalmers Company, Chicago, Ill.
Baker Iron Works, Los Angeles, Cal.
Caird & Hawkesworth, Helena, Mont.
The Colorado Iron Works Company, Denver, Col.

1949—MILLS, STAMP—Continued.

The Denver Engineering Works Company, Denver, Col.
Globe Iron Works, Stockton, Cal.
The Hendrie & Bolthoff Manufacturing and Supply Company, Denver, Col.
Joshua Hendy Machine Works, San Francisco, Cal.
The Mine and Smelter Supply Company, Denver, Col.
Union Iron Works, Spokane, Wash.
Vulcan Iron Works, San Francisco, Cal.

1950—MILLS, SUGAR AND SPICE.

National Novelty Corporation, New York.
Sprout, Waldron & Co., Muncy, Pa.

1951—MINCE MEAT.

The American Preserve Company, Philadelphia, Pa.
Joseph Campbell Company, Camden, N. J.
Dodson-Braun Manufacturing Company, St. Louis, Mo.
H. J. Heinz Company, Pittsburg, Pa.
Francis H. Leggett & Co., New York.
Merrell-Soule Company, Syracuse, N. Y.

1952—MINING COMPANIES.

(See also Coal, Bituminous; also Coal, Gas.)

The Benson Investment Company, Los Angeles, Cal.
Brown Mining Company, Rockwood, Tenn.
The Kendrick Promotion Company, Denver, Col.
The Annie Laurie Mining Company, Kimberly, Utah.

1953—MINING TIMBERS.

(See Lumber, Fir and Spruce.)

1954—MIRROR PLATES.

Conroy, Prugh & Co., Allegheny, Pa.
F. X. Ganter, Baltimore, Md.
Hart Mirror Plate Company, Grand Rapids, Mich.
Louisville Silvering and Beveling Company, Louisville, Ky.
Penn-American Plate Glass Company, Pittsburg, Pa.
Pittsburgh Plate Glass Company, Pittsburg, Pa.

1955—MIRRORS, HALL.

Michigan Chair Company, Grand Rapids, Mich.
C. D. Widman & Co., Detroit, Mich.

1956—MIRRORS, PLATE GLASS.

Chattanooga Furniture Company, Chattanooga, Tenn.
Conroy, Prugh & Co., Allegheny, Pa.
W. P. Fuller & Co., San Francisco, Cal.
Heroy & Marrenner, Chicago, Ill.
Nathan H. Hirshberg & Son, Baltimore, Md.
Michigan Chair Company, Grand Rapids, Mich.
Muskegon Valley Furniture Company, Muskegon, Mich.
Penn-American Plate Glass Company, Pittsburg, Pa.
Pittsburgh Plate Glass Company, Pittsburg, Pa.
Skandia Furniture Company, Rockford, Ill.
C. D. Widman & Co., Detroit, Mich.

1957—MIRRORS, SEARCHLIGHT.

Bausch & Lomb Optical Company, Rochester, N. Y.

1958—MIRRORS, TOILET.

Conroy, Prugh & Co., Allegheny, Pa.
Florence Manufacturing Company, Florence, Mass.
Heroy & Marrenner, Chicago, Ill.
Muskegon Valley Furniture Company, Muskegon, Mich.

1959—MITTENS, BUCKSKIN AND HORSEHIDE.

Tabor Glove Company, Milwaukee, Wis.

1960—MITTENS, WOOLEN, ETC.

(See Gloves and Mittens, Woolen, etc.)

1961—MOHAIRS.

L. C. Chase & Co., Boston, Mass.
Folwell, Bro. & Co., Inc., Philadelphia, Pa.

1962—MOLASSES.

The American Preserve Company, Philadelphia, Pa.
Leon Godchaux Company, Ltd., New Orleans, La.
Gustave A. Jahn & Co., Inc., New York.
Francis H. Leggett & Co., New York.
W. J. McCahan Sugar Refining Company, Philadelphia, Pa.
John T. Moore Planting Company, Ltd., Schriever, La.
National Sugar Refining Company of New Jersey, New York.
Leonce M. Soniat, Dorcyville, La.

1963—MOLDINGS, PICTURE FRAME.

Nathan H. Hirshberg & Son, Baltimore, Md.
H. Lieber Company, Indianapolis, Ind.
The Reuhl Moulding Manufacturing Company, Cincinnati, Ohio.
Sanborn, Vail & Co., San Francisco, Cal.
Schaber, Reinthal & Co., Cleveland, Ohio.
Skandia Furniture Company, Rockford, Ill.
Tacoma Mill Company, San Francisco, Cal.
Toledo Moulding Company, Toledo, Ohio.
A. H. Vilas Company, Chicago, Ill.

1964—MOLDINGS, WOOD.

D. W. Alderman & Sons Company, Alcolu, S. C.
E. Bailey & Sons, Inc., Patchogue, N. Y.
Bering Manufacturing Company, Inc., Houston, Tex.
The California Door Company, San Francisco, Cal.
Florence Pump and Lumber Company, Memphis, Tenn.
Edward Germain, Saginaw, Mich.
Hafner Manufacturing Company, St. Louis, Mo.
The Hallack & Howard Lumber Company, Denver, Col.
Nathan H. Hirshberg & Son, Baltimore, Md.
C. A. Hooper & Co., San Francisco, Cal.
Huttig Sash and Door Company, St. Louis, Mo.
H. Lieber Company, Indianapolis, Ind.
John S. Loomis Company, Brooklyn, N. Y.
The Lord & Bushnell Company, Chicago, Ill.
McConnell Manufacturing Company, Hornellsville, N. Y.
Massee & Felton Lumber Company, Macon, Ga.
Wm. Miller & Sons, Inc., Rochester, Pa.
Montgomery Brothers & Co., Buffalo, N. Y.
John C. Orr & Co., Brooklyn, N. Y.
Park, Winton & True, Addison, N. Y.
W. A. Preston, Benton Harbor, Mich.
Radford Brothers & Co., Oshkosh, Wis.

1964—MOLDINGS, WOOD—Continued.

Rhinesmith & Simonson, Fort Wayne, Ind.
A. Roberson & Son, Binghamton, N. Y.
Robinson Manufacturing Company, Everett, Wash.
Rock Island Sash and Door Works, Rock Island, Ill.
Schaber, Reinthal & Co., Cleveland, Ohio.
Scott-Graff Lumber Company, Duluth, Minn.
Standard Millwork Company, Cincinnati, Ohio.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.
Tacoma Mill Company, San Francisco, Cal.
Toledo Moulding Company, Toledo, Ohio.
A. H. Vilas Company, Chicago, Ill.
The Wheeler Osgood Company, Tacoma, Wash.
John F. Wilcox, Minneapolis, Minn.

1965—MOLDS, BRICK.

Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
The C. W. Raymond Company, Dayton, Ohio.

1966—MOLDS, CYLINDER.

Cheney Bigelow Wire Works, Springfield, Mass.
Eastwood Wire Manufacturing Company, Belleville, N. J.
Golding Manufacturing Company, Boston, Mass.
Riverside Foundry Company, Cleveland, Ohio.
Wheeling Mold and Foundry Company, Wheeling, W. Va.

1967—MOLDS, GLASS.

Gillinder & Sons, Inc., Philadelphia, Pa.
Wheeling Mold and Foundry Company, Wheeling, W. Va.

1968—MOLDS, INGOT.

J. W. Paxson Co., Philadelphia, Pa.
Riverside Foundry Company, Cleveland, Ohio.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Wheeling Mold and Foundry Company, Wheeling, W. Va.

1969—MOLDS, SOAP AND CANDLE.

Houchin & Huber, Brooklyn, N. Y.

1970—MOLDS, SUPPOSITORY.

A. H. Wirz, Philadelphia, Pa.

1971—MONUMENTS, BRONZE.

Gorham Manufacturing Company, New York.
The J. L. Mott Iron Works, New York.
Philadelphia White Bronze Monument Company, Philadelphia, Pa.
The Standard Company, Chicago, Ill.
Jno. Williams, New York.

1972—MONUMENTS, MARBLE.

The Blue Ridge Marble Company, Nelson, Ga.
The Kennesaw Marble Company, Marietta, Ga.

1973—MORPHINE.

Mallinckrodt Chemical Works, St. Louis, Mo.
Rosengarten & Sons, Inc., Philadelphia, Pa.

1974—MORTISERS, WOOD.

(See Machinery, Wood Working.)

1975—MOSAICS.

American Encaustic Tiling Company, Ltd., New York.
The Cambridge Tile Manufacturing Company, Covington, Ky.
The Mosaic Tile Company, Zanesville, Ohio.
National Tile Company, Anderson, Ind.
Trent Tile Company, Trenton, N. J.

1976—MOTOR PARTS.

The Case Manufacturing Company, Columbus, Ohio.
Damascus Bronze Company, Pittsburg, Pa.
Federal Manufacturing Company, Cleveland, Ohio.
Holtzer-Cabot Electric Company, Brookline, Mass.
Interstate Foundry Company, Cleveland, Ohio.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
National Carbon Company, Cleveland, Ohio.
William Powell Company, Cincinnati, Ohio.
The Rockwood Manufacturing Company, Indianapolis, Ind.
Sherwood Manufacturing Company, Buffalo, N. Y.
The Van Dorn & Dutton Company, Cleveland, Ohio.
Whitlock Coil Pipe Company, Hartford, Conn.

1977—MOTORS, AIR.

(See Windmills.)

1978—MOTORS, ELECTRIC.

Allis-Chalmers Company, Chicago, Ill.
American Electric Telephone Company, Chicago, Ill.
American Engine Company, Bound Brook, N. J.
Barnhart Brothers & Spindler, Chicago, Ill.
The E. G. Bernard Company, Troy, N. Y.
Jas. Clark, Jr., & Co., Louisville, Ky.
Commercial Electric Company, Indianapolis, Ind.
Edison Phonograph Works, Orange, N. J.
Electrical Manufacturers' Export Company, New York.
Fairbanks, Morse & Co., Chicago, Ill.
Fort Wayne Electric Works, Inc., Fort Wayne, Ind.
Gas Engine and Power Co. and Charles L. Seabury & Co., New York.
General Electric Company, Schenectady, N. Y.
Holtzer-Cabot Electric Company, Brookline, Mass.
Jeffrey Manufacturing Company, Columbus, Ohio.
The Jones Electrical Company, New York.
The "Long-Arm" System Company, Cleveland, Ohio.
McGuire-Cummings Manufacturing Company, Chicago, Ill.
Morgan-Gardner Electric Company, Chicago, Ill.
Northern Electrical Manufacturing Company, Madison, Wis.
Stanley & Patterson, Inc., New York.
Stow Manufacturing Company, Binghamton, N. Y.
B. F. Sturtevant Company, Hyde Park, Mass.
Triumph Electric Company, Cincinnati, Ohio.
Truscott Boat Manufacturing Company, St. Joseph, Mich.
Westinghouse Electric and Manufacturing Company, Pittsburg, Pa.
L. J. Wing Manufacturing Company, New York.
The Homer Young Company, Toledo, Ohio.

1979—MOTORS, GASOLINE.

(See Engines, Gas and Gasoline.)

1980—MOTORS, WATER.

Bishop & Babcock Company, Cleveland, Ohio.
The Connersville Blower Company, Connersville, Ind.

1980—MOTORS, WATER—Continued.

Deming Company, Salem, Ohio.
James Leffel & Co., Springfield, Ohio.
Munson Bros. Company, Utica, N. Y.
The Pelton Water Wheel Company, San Francisco, Cal.
The Wolf Company, Chambersburg, Pa.

1981—MOWER PARTS.

Adriance, Platt & Co., Poughkeepsie, N. Y.
The Akron Machine Company, Akron, Ohio.

1982—MOWERS.

Adriance, Platt & Co., Poughkeepsie, N. Y.
Emerson Manufacturing Company, Rockford, Ill.
International Harvester Company of America, Chicago, Ill.

1933—MOWERS, LAWN.

Clipper Lawn Mower Company, Dixon, Ill.
Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.
The F. & N. Lawn Mower Company, Richmond, Ind.
John H. Graham & Co., New York.
Mast, Foos & Co., Springfield, Ohio.
Philadelphia Lawn Mower Company, Philadelphia, Pa.

1984—MUCILAGE AND PASTE.

Arabol Manufacturing Company, New York.
The Carter's Ink Company, Boston, Mass.
Golding Manufacturing Company, Boston, Mass.
Charles M. Higgins & Co., Brooklyn, N. Y.
Sanford Manufacturing Company, Chicago, Ill.
S. S. Stafford, Inc., New York.
The Weis Manufacturing Company, Toledo, Ohio.

1985—MUSIC ROLLS.

John Mehl & Co., Jersey City, N. J.
C. F. Rumpp & Sons, Philadelphia, Pa.

1986—MUSICAL INSTRUMENTS.

(See Instruments, Musical.)

1987—MUSTARD.

The American Preserve Company, Philadelphia, Pa.
Joseph Campbell Company, Camden, N. J.
A. Colburn Company, Philadelphia, Pa.
Dodson-Braun Manufacturing Company, St. Louis, Mo.
B. Fischer & Co., New York.
E. C. Hazard & Co., New York.
Williams Brothers Company, Detroit, Mich.

1988—MUZZLES, DOG.

Fred J. Meyers Manufacturing Company, Hamilton, Ohio.

1989—NAIL FILES.

Hamilton & Hamilton, Jr., Providence, R. I.
Nicholson File Company, Providence, R. I.

1990—NAIL PULLERS.

John H. Graham & Co., New York.
Tower & Lyon Company, New York.
Wrightsville Hardware Company, Wrightsville, Pa.

1991—NAILS AND TACKS, COPPER.

The Anchor Nail and Tack Works, Pittsburg, Pa.
Crandal, Stone & Co., Binghamton, N. Y.
Rome Brass and Copper Company, Rome, N. Y.
Salem Nail Company, New York.

1992—NAILS, CUT.

The Anchor Nail and Tack Works, Pittsburg, Pa.
Charles L. Bailey & Co., Inc., Harrisburg, Pa.
Judson Manufacturing Company, San Francisco, Cal.
Norton Iron Works, Ashland, Ky.
Republic Iron and Steel Company, Chicago, Ill.
Salem Nail Company, New York.
Wheeling Steel and Iron Company, Wheeling, W. Va.

1993—NAILS, HORSESHOE.

Capewell Horse Nail Company, Hartford, Conn.
W. M. Mooney & Co., Ausable Chasm, N. Y.
Wiebusch & Hilger, Ltd., New York.

1994—NAILS, SHOE.

The Anchor Nail and Tack Works, Pittsburg, Pa.
Grand Crossing Tack Company, Chicago, Ill.

1995—NAILS, WIRE.

Alabama Steel and Wire Company, Gadsden, Ala.
The Colorado Fuel and Iron Company, Denver, Col.
Grand Crossing Tack Company, Chicago, Ill.
Judson Manufacturing Company, San Francisco, Cal.
Kokomo Steel and Wire Company, Kokomo, Ind.
Norton Iron Works, Ashland, Ky.
Page Woven Wire Fence Company, Adrian, Mich.
Salem Nail Company, New York.
C. C. & E. P. Townsend, New Brighton, Pa.

1996—NAPHTHA.

Barrett Manufacturing Company, New York.
Levi Smith, North Clarendon, Pa.

1997—NAPHTHALINE.

Barrett Manufacturing Company, New York.

1998—NAPKINS, PAPER.

Japanese Tissue Mills, Holyoke, Mass.
Thilmany Pulp and Paper Company, Kaukauna, Wis.

1999—NECK YOKES, BUGGY.

Hartwell Brothers, Chicago Heights, Ill.
Lambertville Spoke Manufacturing Company, Lambertville, N. J.
Todd Manufacturing Company, New Albany, Ind.
Von Behren Manufacturing Company, Evansville, Ind.

2000—NEEDLES, KNITTING MACHINE.

Leighton Machine Company, Manchester, N. H.

2001—NETS, FLY.

Arawana Mills, Middletown, Conn.

2002—NETTING, WIRE.

(See Wire Cloth and Netting.)

2003—NETTINGS, MOSQUITO.

Arawana Mills, Middletown, Conn.

2004—NICKEL, ALUMINIZED (NICKELUMEN).

New Era Manufacturing Company, Kalamazoo, Mich.

2005—NICKEL, INGOT.

Hendricks Brothers, New York.
The Orford Copper Company, New York.

2006—NICKEL-PLATING OUTFITS.

Hanson & Van Winkle Company, Newark, N. J.
Triumph Electric Company, Cincinnati, Ohio.

2007—NICKEL, SHEET, ROD AND WIRE.

Coe Brass Manufacturing Company, Torrington, Conn.
Hendricks Brothers, New York.

2008—NICKEL-SILVER GOODS.

Hero Fruit Jar Company, Philadelphia, Pa.
International Silver Company, Meriden, Conn.
Ontario Silver Company, Muncie, Ind.

2009—NIGHT ROBES.

Cluett, Peabody & Co., Troy, N. Y.
S. L. Munson, Albany, N. Y.
United Shirt and Collar Company, Troy, N. Y.
Wachusett Shirt Company, Leominster, Mass.

2010—NOILS.

Howland Croft, Sons & Co., Camden, N. J.
River Spinning Company, Woonsocket, R. I.

2011—NOVELTIES, ADVERTISING.

The H. D. Beach Company, Coshocton, Ohio.
Brown & Bigelow, St. Paul, Minn.
The Calvert Lithographing Company, Detroit, Mich.
Fay Engraving Company, Utica, N. Y.
Aug. Goertz & Co., Newark, N. J.
The Gugler Lithographic Company, Milwaukee, Wis.
The Henderson Lithographing Company, Cincinnati, Ohio.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Ketterlinus Lithographic Manufacturing Company, Philadelphia, Pa.
The Meek Company, Coshocton, Ohio.
Milwaukee Bag Company, Milwaukee, Wis.
Scovill Manufacturing Company, Waterbury, Conn.
Troy Carriage Sun Shade Company, Troy, Ohio.
United States Playing Card Company, Cincinnati, Ohio.
Emil Weissbrod & Sons, Greenfield, Mass.

2012—NOVELTIES, CELLULOID.

Arlington Company, New York.
The Meek Company, Coshocton, Ohio.
Tilton & Cook, Leominster, Mass.
United States Playing Card Company, Cincinnati, Ohio.

2013—NOVELTIES, CERAMIC.

The J. B. Owens Pottery Company, Zanesville, Ohio.
The Roseville Pottery Company, Zanesville, Ohio.
Trenton Potteries Company, Trenton, N. J.
The Wheeling Potteries Company, Wheeling, W. Va.

2014—NOVELTIES, ELECTRIC.

The Hylo Lamp Company, Detroit, Mich.
Stanley & Patterson, Inc., New York.

2015—NOVELTIES, GLASS.

The Duncan & Miller Glass Company, Washington, Pa.
T. G. Hawkes & Co., Corning, N. Y.
A. H. Heisey & Co., Inc., Newark, Ohio.
The Jefferson Glass Company, Steubenville, Ohio.
National Glass Company, Pittsburg, Pa.
Seneca Glass Company, Morgantown, W. Va.

2016—NOVELTIES, KINDERGARTEN.

National Novelty Corporation, New York.

2017—NOVELTIES, JEWELRY.

S. O. Bigney Company, Attleboro, Mass.
D. F. Briggs Company, Attleboro, Mass.
Durand & Co., Newark, N. J.
Eckfeldt & Ackley, Newark, N. J.
Eisenstadt Manufacturing Company, St. Louis, Mo.
R. R. Fogel & Co., New York.
Theodore W. Foster & Bro. Company, Providence, R. I.
Hamilton & Hamilton, Jr., Providence, R. I.
Walter E. Hayward, Attleboro, Mass.
Krementz & Co., Newark, N. J.
Larter, Elcox & Co., New York.
William Loeb & Co., Providence, R. I.
Ludwig Nissen & Co., New York.
R. F. Simmons Company, Attleboro, Mass.
E. L. Spencer Company, Inc., Providence, R. I.
Stern Bros. & Co., New York.
Waite, Thresher Company, Providence, R. I.

2018—NOVELTIES, LEATHER.

The H. D. Beach Company, Coshocton, Ohio.
Brown & Bigelow, St. Paul, Minn.
The Meek Company, Coshocton, Ohio.
John Mehl & Co., Jersey City, N. J.
C. F. Rumpp & Sons, Philadelphia, Pa.
Emil Weissbrod & Sons, Greenfield, Mass.

2019—NOVELTIES, MECHANICAL.

Trenton Watch Company, Trenton, N. J.

2020—NOVELTIES, METAL.

American Can Company, New York.
Arcade Manufacturing Company, Freeport, Ill.
The H. D. Beach Company, Coshocton, Ohio.
M. S. Benedict Manufacturing Company, East Syracuse, N. Y.
Bridgeport Brass Company, Bridgeport, Conn.
B. Conlan & Co., Newark, N. J.
The J. F. W. Dorman Company, Baltimore, Md.
Aug. Goertz & Co., Newark, N. J.
Hall & Carpenter, Philadelphia, Pa.
Hero Fruit Jar Company, Philadelphia, Pa.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
The Jennings Brothers Manufacturing Company, Bridgeport, Conn.
Kirk-Latty Manufacturing Company, Cleveland, Ohio.
The Meek Company, Coshocton, Ohio.

2020—NOVELTIES, METAL—Continued.

National Novelty Corporation, New York.
The R. Neumann Hardware Company, Newark, N. J.
A. H. Peirce Manufacturing Company, Chicago, Ill.
L. B. Prahar, Brooklyn, N. Y.
Scovill Manufacturing Company, Waterbury, Conn.
Tea Tray Company of Newark, Newark, N. J.
R. Wallace & Son's Manufacturing Company, Wallingford, Conn.
Wheeling Stamping Company, Wheeling, W. Va.

2021—NOVELTIES, PAPER.

C. H. Dexter & Sons, Windsor Locks, Conn.
The Henderson Lithographic Company, Cincinnati, Ohio.
Japanese Tissue Mills, Holyoke, Mass.
Mullen Brothers Paper Company, St. Joseph, Mich.
The J. W. Sefton Manufacturing Company, Chicago, Ill.
Thilmany Plup and Paper Company, Kaukauna, Wis.
United States Playing Card Company, Cincinnati, Ohio.

2022—NOVELTIES, RUBBER.

American Hard Rubber Company, New York.
B. F. Goodrich Company, Akron, Ohio.

2023—NOVELTIES, SILVERWARE.

M. S. Benedict Manufacturing Company, East Syracuse, N. Y.
D. F. Briggs Company, Attleboro, Mass.
Eckfeldt & Ackley, Newark, N. J.
Theodore W. Foster & Bro. Company, Providence, R. I.
Gorham Manufacturing Company, New York.
Hamilton & Hamilton, Jr., Providence, R. I.
International Silver Company, Meriden, Conn.
The Jennings Brothers Manufacturing Company, Bridgeport, Conn.
William Loeb & Co., Providence, R. I.
Reed & Barton, Taunton, Mass.
Trenton Watch Company, Trenton, N. J.
Waite, Thresher Company, Providence, R. I.
R. Wallace & Son's Manufacturing Company, Wallingford, Conn.
Webster Company, North Attleboro, Mass.
Whiting Manufacturing Company, New York.
Woodman-Cook Company, Portland, Me.

2024—NOVELTIES, WOOD.

The Embossing Company, Albany, N. Y.
National Novelty Corporation, New York.
Piqua Handle and Manufacturing Company, Piqua, Ohio.
Sheldon Novelty Company, Kankakee, Ill.

2025—NUTS, EDIBLE.

Barnhart Mercantile Company, St. Louis, Mo.

2026—NUTS, IRON AND STEEL.

(See Bolts and Nuts.)

2027—OAKUM.

(See Packing, Hemp and Flax.)

2028—OATMEAL.

H-O (Hornby's Oatmeal) Company, Buffalo, N. Y.
E. C. Hazard & Co., New York.
Francis H. Leggett & Co., New York.

2029—OBSERVATORY EQUIPMENT.

The Warner & Swasey Company, Cleveland, Ohio.

2030—OFFICE SUPPLIES.

(See Stationery, Stationers' Hardware, etc.)

2031—OIL, ANILINE.

Barrett Manufacturing Company, New York.

2032—OIL (AND GREASE), AXLE.

Joseph Dixon Crucible Company, Jersey City, N. J.
Fiske Brothers Refining Company, New York.
George A. Haws, New York.
Keystone Lubricating Company, Philadelphia, Pa.
R. McWilliams, Limited, New Orleans, La.
Frank Miller Company, New York.
William F. Nye, New Bedford, Mass.
Pennsylvania Lubricating Company, Pittsburg, Pa.
Levi Smith, North Clarendon, Pa.
Union Petroleum Company, Philadelphia, Pa.
United Oil and Refining Company, Boston, Mass.

2033—OIL CABINETS, SELF-MEASURING.

S. F. Bowser & Co., Fort Wayne, Ind.
Hersey Manufacturing Company, South Boston, Mass.

2034—OIL CAKE, CORN.

American Hominy Company, Indianapolis, Ind.
Warner Sugar Refining Company, Waukegan, Ill.

2035—OIL CAKE, LINSEED.

O'Brien Varnish Company, South Bend, Ind.

2036—OIL CANS AND TANKS.

American Can Company, New York.
Berger Manufacturing Company, Canton, Ohio.
Peter Gray & Sons, Boston, Mass.
F. H. Lawson Company, Cincinnati, Ohio.
The Vermont Slate Company, Inc., Granville, N. Y.

2037—OIL, COD LIVER.

The G. F. Harvey Company, Saratoga Springs, N. Y.
Dr. Kilmer & Co., Binghamton, N. Y.
Parke, Davis & Co., Detroit, Mich.
Taft's Asthmalene Company, New York.

2038—OIL, CORN.

American Hominy Company, Indianapolis, Ind.
Warner Sugar Refining Company, Waukegan, Ill.

2039—OIL, COTTONSEED.

American Cotton Oil Company, New York.
Kentucky Refining Company Louisville, Ky.
R. McWilliams, Ltd., New Orleans, La.
Meridian Fertilizer Factory, Meridian, Miss.
The Perkins Oil Company, Memphis, Tenn.
Procter & Gamble Company, Cincinnati, Ohio.
The Southern Cotton Oil Company, New York.
Virginia-Carolina Chemical Company, Richmond, Va.

2040—OIL, CREOSOTE.

Barrett Manufacturing Company, New York.

2041—OIL CUPS.

American Injector Company, Detroit, Mich.
Buckeye Iron and Brass Works, Dayton, Ohio.
Detroit Lubricator Company, Detroit, Mich.
The Kelly & Jones Company, New York.
John E. Lonergan & Co., Philadelphia, Pa.
Lunkenheimer Company, Cincinnati, Ohio.
McRae & Roberts Company, Detroit, Mich.
Michigan Lubricator Company, Detroit, Mich.
William Powell Company, Cincinnati, Ohio.
Power Specialty Company, Detroit, Mich.
Reed Manufacturing Company, Erie, Pa.
Sherwood Manufacturing Company, Buffalo, N. Y.

2042—OILS, ESSENTIAL.

Antoine Chiris, New York.
Dodge & Olcott, New York.
The G. F. Harvey Company, Saratoga Springs, N. Y.
The Heyden Chemical Works, New York.

2043—OIL, FUEL.

Crew-Levick Company, Philadelphia, Pa.
The Kendrick Promotion Company, Denver, Col.
Levi Smith, North Clarendon, Pa.
United Oil and Refining Company, Boston, Mass.

2044—OIL, HARNESS.

Fiske Brothers Refining Company, New York.
E. F. Houghton & Co., Philadelphia, Pa.
Frank Miller Company, New York.
Levi Smith, North Clarendon, Pa.
Union Petroleum Company, Philadelphia, Pa.

2045—OIL, ILLUMINATING.

Crew-Levick Company, Philadelphia, Pa.
George A. Haws, New York.
The Kendrick Promotion Company, Denver, Col.
Levi Smith, North Clarendon, Pa.
Union Petroleum Company, Philadelphia, Pa.
United Oil and Refining Company, Boston, Mass.
Will & Baumer Company, Syracuse, N. Y.

2046—OIL, LARD.

George A. Haws, New York.
Morris & Company, Chicago, Ill.
Swift and Company, Chicago, Ill.

2047—OIL, LINSEED.

George W. Blabon Company, Philadelphia, Pa.
R. McWilliams, Ltd., New Orleans, La.
O'Brien Varnish Company, South Bend, Ind.
Peaslee-Gaulbert Company, Louisville, Ky.

2048—OIL, LUBRICATING.

Crew-Levick Company, Philadelphia, Pa.
Fiske Brothers Refining Company, New York.
W. P. Fuller & Co., San Francisco, Cal.
George A. Haws, New York.
E. F. Houghton & Co., Philadelphia, Pa.
R. McWilliams, Ltd., New Orleans, La.

2048—OIL, LUBRICATING—Continued.

Wiliam F. Nye, New Bedford, Mass.
Levi Smith, North Clarendon, Pa.
Union Petroleum Company, Philadelphia, Pa.
United Oil and Refining Company, Boston, Mass.

2049—OIL, MYRBANE.

Barrett Manufacturing Company, New York.

2050—OIL, NEATSFOOT.

Fiske Brothers Refining Company, New York.
George A. Haws, New York.
R. McWilliams, Ltd., New Orleans, La.
Morris & Company, Chicago, Ill.

2051—OIL, OLEO.

G. H. Hammond Company, Chicago, Ill.
Kingan & Co., Ltd., Indianapolis, Ind.
Morris & Company, Chicago, Il.
Procter & Gamble Company, Cincinnati, Ohio.
Swift and Company, Chicago, Ill.
The M. Werk Company, Cincinati, Ohio.
Will & Baumer Company, Syracuse, N. Y.

2052—OIL, RED.

Arabol Manufacturing Company, New York.
Procter & Gamble Company, Cincinnati, Ohio.
E. Schneider & Co., Inc., Chicago, Ill.
The M. Werk Company, Cincinnati, Ohio.
Will & Baumer Company, Syracuse, N. Y.

2053—OIL REFINERY APPARATUS.

Baker Iron Works, Los Angeles, Cal.
S. F. Bowser & Co., Fort Wayne, Ind.
Christopher Cunningham, Brooklyn, N. Y.
James Lappan Manufacturing Company, Pittsburg, Pa.
Logan Iron Works, Brooklyn, N. Y.
Oil Well Supply Company, Pittsburg, Pa.
Petroleum Iron Works Company, Washington, Pa.
The Reeves Brothers Company, Alliance, Ohio.

2054—OILS, SALAD AND COOKING.

American Cotton Oil Company, New York.
The American Preserve Company, Philadelphia, Pa.
Kentucky Refining Company, Louisville, Ky.
Francis H. Leggett & Co., New York.
The Southern Cotton Oil Company, New York.

2055—OIL STONES.

Chicago Wheel and Manufacturing Company, Chicago, Ill.
Norton Emery Wheel Company, Worcester, Mass.
Pike Manufacturing Company, Pike, N. H.

2056—OIL, WATCH AND CLOCK.

William F. Nye, New Bedford, Mass.

2057—OIL WELL APPARATUS.

Axelson Machine Company, Los Angeles, Cal.
Baker Iron Works, Los Angeles, Cal.
A. S. Cameron Steam Pump Works, New York.
Consolidated Pipe Company, Los Angeles, Cal.

2057—OIL WELL APPARATUS—Continued.

Fulton Engine Works, Los Angeles, Cal.
B. F. Goodrich Company, Akron, Ohio.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Jarecki Manufacturing Company, Erie, Pa.
Kelly & Jones Company, New York.
Keystone Driller Company, Beaver Falls, Pa.
Leidecker Tool Company, Marietta, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Monongahela Tube Company, Pittsburg, Pa.
Oil Well Supply Company, Pittsburg, Pa.
The Pattin Bros. Company, Marietta, Ohio.
South Chester Tube Company, Chester, Pa.
Spang, Chalfant & Co., Inc., Pittsburg, Pa.
Star Drilling Machine Company, Akron, Ohio.
Tubbs Cordage Company, San Francisco, Cal.
United States Engine Company, Parkersburg, W. Va.

2058—OIL, WHALE AND SPERM.

William F. Nye, New Bedford, Mass.

2059—OIL, WOOL.

George A. Haws, New York.
Union Petroleum Company, Philadelphia, Pa.

2060—OILCLOTH, CARRIAGE.

George W. Blabon Company, Philadelphia, Pa.
Thomas Potter, Sons & Co., Inc., Philadelphia, Pa.
Standard Table Oil Cloth Company, New York.
Trenton Oil Cloth and Linoleum Company, Trenton, N. J.

2061—OILCLOTH, FABRICS FOR.

Monaghan Mills, Greenville, S. C.

2062—OILCLOTH, FLOOR AND TABLE.

George W. Blabon Company, Philadelphia, Pa.
Milwaukee Bag Company, Milwaukee, Wis.
Thomas Potter, Sons & Co., Philadelphia, Pa.
Standard Table Oil Cloth Company, New York.
Trenton Oil Cloth and Linoleum Company, Trenton, N. J.

2063—OILERS, MACHINE.

American Can Company, New York.
American Tube and Stamping Company, Bridgeport, Conn.
Berger Manufacturing Company, Canton, Ohio.
Detroit Lubricator Company, Detroit, Mich.
Peter Gray & Sons, Boston, Mass.
Hero Fruit Jar Company, Philadelphia, Pa.
Michigan Lubricator Company, Detroit, Mich.
William Powell Company, Cincinnati, Ohio.
Tower & Lyon Company, New York.
William Vogel & Brothers, Brooklyn, N. Y.

2064—OLEINE.

Will & Baumer Company, Syracuse, N. Y.

2065—ONYX.

The Columbia Marble Company, San Francisco, Cal.

2066—OPENERS AND LAPPERS, COTTON.

Kitson Machine Company, Lowell, Mass.
Whitin Machine Works, Whitinsville, Mass.

2067—OPTICAL GOODS.

American Optical Company, Southbridge, Mass.
Bausch & Lomb Optical Company, Rochester, N. Y.
C. P. Goerz Optical Works, New York.
Leonard Krower, New Orleans, La.
C. H. Stoelting Company, Chicago, Ill.
Wollensak Optical Company, Rochester, N. Y.

2068—OPTICIANS' TRIAL APPARATUS.

American Optical Company, Southbridge, Mass.
The Standard Optical Company, Geneva, N. Y.

2069—ORDNANCE.

Bethlehem Steel Company, South Bethlehem, Pa.
Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn.
The Miami Cycle and Manufacturing Company, Middletown, Ohio.
Midvale Steel Company, Philadelphia, Pa.

2070—ORGAN ATTACHMENTS, SELF-PLAYING.

Melville Clark Piano Company, Chicago, Ill.
W. W. Kimball Company, Chicago, Ill.

2071—ORGANS.

Ann Arbor Organ Company, Ann Arbor, Mich.
The Baldwin Company, Cincinnati, Ohio.
George P. Bent, Chicago, Ill.
The Cable Company, Chicago, Ill.
Melville Clark Piano Company, Chicago, Ill.
Estey Organ Company, Brattleboro, Vt.
Farrand Organ Company, Detroit, Mich.
Foley & Williams Manufacturing Company, Chicago, Ill.
W. W. Kimball Company, Chicago, Ill.
Lyon & Healy, Chicago, Ill.
Miller Organ and Piano Company, Lebanon, Pa.
Needham Piano and Organ Company, New York.
Newman Brothers Company, Chicago, Ill.
Packard Company, Fort Wayne, Ind.
M. Schulz Company, Chicago, Ill.
Weaver Organ and Piano Company, York, Pa.
Western Cottage Piano and Organ Company, Ottawa, Ill.

2072—OVENS, OIL STOVE.

American Stove Company of N. J., St. Louis, Mo.
F. H. Lawson Company, Cincinnati, Ohio.
A. J. Lindemann & Hoverson Company, Milwaukee, Wis.
Metal Stamping Company, Jackson, Mich.
The Robinson Manufacturing Company, Toledo, Ohio.

2073—OVENS, PORTABLE.

John Van Range Company, Cincinnati, Ohio.

2074—OVENS, STEAM.

The Robinson Manufacturing Company, Toledo, Ohio.
The J. W. Ruger Manufacturing Company, Buffalo, N. Y.
Werner & Pfleiderer, Saginaw, Mich.

2075—OVERALLS.

John S. Brittain Dry Goods Company, St. Joseph, Mo.
Frank Howard Manufacturing Company, Atchison, Kan.
Hundley-Smith Dry Goods Company, St. Joseph, Mo.
A. Kory & Sons, New Orleans, La.

2075—OVERALLS—Continued.

Reliance Manufacturing Company, Chicago, Ill.
Richardson, Roberts Dry Goods Company, St. Joseph, Mo.
H. Rosenblatt & Sons, Beloit, Wis.
Stahl, Urban & Co., Terre Haute, Ind.
Tootle, Wheeler & Motter Mercantile Company, St. Joseph, Mo.

2076—OVERCOATINGS.

American Woolen Company, Boston, Mass.
Botany Worsted Mills, Passaic, N. J.
Concord Manufacturing Company, Penacook, N. H.
W. J. Dickey & Sons, Baltimore, Md.
Globe Woolen Company, Utica, N. Y.
Benj. W. Greer, Philadelphia, Pa.
Thomas Kitson & Son, Stroudsburg, Pa.
National and Providence Worsted Mills, Providence, R. I.
Peace Dale Manufacturing Company, Peace Dale, R. I.
Raritan Woolen Mills, New York.
The S. N. & C. Russell Manufacturing Company, Pittsfield, Mass.
South Bend Woolen Company, South Bend, Ind.
William Wood & Co., Philadelphia, Pa.

2077—OVERSHIRTS, WOOL.

Gilbert Knitting Company, Little Falls, N. Y.
A. C. Staley Manufacturing Company, South Bend, Ind.

2078—PACKERS, FLOUR AND BRAN.

Huntley Manufacturing Company, Silver Creek, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.
Richmond City Mill Works, Richmond, Ind.
Sprout, Waldron & Co., Muncy, Pa.

2079—PACKING, ASBESTOS.

Philip Carey Manufacturing Company, Lockland, Ohio.
Fairbanks Company, New York.
Johns-Pratt Company, Hartford, Conn.
The Judson Governor Company, Rochester, N. Y.
Keasbey & Mattison Company, Ambler, Pa.

2080—PACKING, FURNITURE.

Excelsior Wrapper Company, Sheboygan, Wis.
The Thompson & Norris Company, Brooklyn, N. Y.

2081—PACKING, HEMP AND FLAX.

John T. Bailey & Co., Philadelphia, Pa.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Quaker City Rubber Company, Philadelphia, Pa.

2082—PACKING, LEATHER.

Detroit Oak Belting Company, Detroit, Mich.
E. F. Houghton & Co., Philadelphia, Pa.
Kelly & Jones Company, New York.
Page Belting Company, Concord, N. H.
Charles A. Schieren & Co., New York.
I. B. Williams & Sons, Dover, N. H.

2083—PACKING, METALLIC.

The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
Glasgow Iron Company, Pottstown, Pa.
Ironton Engine Company, Ironton, Ohio.
Power Specialty Company, Detroit, Mich.

2084—PACKING, RUBBER.

Boston Belting Company, Boston, Mass.
Diamond Rubber Company, Akron, Ohio.
Empire Rubber Manufacturing Company, Trenton, N. J.
The Eureka Rubber Manufacturing Company, Trenton, N. J.
B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
Hartford Rubber Works Company, Hartford, Conn.
Home Rubber Company, Trenton, N. J.
Kelly & Jones Company, New York.
Morgan & Wright, Chicago, Ill.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.
Quaker City Rubber Company, Philadelphia, Pa.
Revere Rubber Company, Boston, Mass.
United and Globe Rubber Manufacturing Companies, Trenton, N. J.

2085—PACKING, STEAM.

Ironton Engine Company, Ironton, Ohio.
Johns-Pratt Company, Hartford, Conn.
Keasbey & Mattison Company, Ambler, Pa.
Kelly & Jones Company, New York.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Power Specialty Company, Detroit, Mich.
Quaker City Rubber Company, Philadelphia, Pa.

2086—PADDING FOR TAILORS.

The Faatz-Reynolds Felting Company, Lestershire, N. Y.

2087—PADS, HARNESS.

The American Pad and Textile Company, Greenfield, Ohio.
Armstrong & Graham, Detroit, Mich.
The Faatz-Reynolds Felting Company, Lestershire, N. Y.

2088—PADS, RUBBER STAMP.

The J. F. W. Dorman Company, Baltimore, Md.
S. S. Stafford, Inc., New York.

2089—PADS, WRITING AND BLOTTING.

(See Tablets, Paper and Blotter.)

2090—PAILS AND BUCKETS, GALVANIZED.

American Can Company, New York.
Anchor Stove and Range Company, Inc., Louisville, Ky.
The W. J. Clark Company, Salem, Ohio.
Cleveland Wire Spring Company, Cleveland, Ohio.
Holbrook, Merrill & Stetson, San Francisco Cal.
F. H. Lawson Company, Cincinnati, Ohio.
Rochester Stamping Company, Rochester, N. Y.

2091—PAILS AND BUCKETS, TIN.

Brecht B. S. Co., St. Louis, Mo.
W. J. Clark Company, Salem, Ohio.
Holbrook, Merrill & Stetson, San Francisco, Cal.
Rochester Stamping Company, Rochester, N. Y.

2092—PAILS AND BUCKETS, WOOD.

Bousfield Wooden Ware Company, Minneapolis, Minn.
Bousfield & Co., Bay City, Mich.
California Barrel Company, San Francisco, Cal.
Hightower Box and Tank Company, Atlanta, Ga.

2092—PAILS AND BUCKETS, WOOD—Continued.

Menasha Wooden Ware Company, Menasha, Wis.
Mengel Box Company, Louisville, Ky.
Paepcke-Leicht Lumber Company, Chicago, Ill.
Richmond Cedar Works, Richmond, Va.
John Sommer's Son, Newark, N. J.
Union Cooperage Company, St. Louis, Mo.

2093—PAILS, FIBRE.

United Indurated Fibre Company, Lockport, N. Y.

2094—PAILS, MILK.

American Can Company, New York.
Lalance & Grosjean Manufacturing Company, New York.

2095—PAILS, PAPER.

The J. W. Sefton Manufacturing Company, Chicago, Ill.

2096—PAINTS, ALUMINUM.

Gerstendorfer Brothers, New York.
John Lucas & Co., Philadelphia, Pa.
R. McWilliams, Ltd., New Orleans, La.

2097—PAINTS, COLD WATER.

Adams & Elting Company, Chicago, Ill.
The Bridgeport Wood Finishing Company, New Milford Conn.
Heath & Milligan Manufacturing Company, Chicago, Ill.
John Lucas & Co., Philadelphia, Pa.
R. McWilliams, Ltd., New Orleans, La.
Eugene E. Nice, Philadelphia, Pa.
Water Paint Company of America, New York.

2098—PAINTS AND COLORS.

Acme White Lead and Color Works, Detroit, Mich.
Adams & Elting Company, Chicago, Ill.
Ault & Wiborg Company, Cincinnati, Ohio.
Bass-Hueter Paint Company, San Francisco, Cal.
Bridgeport Wood Finishing Company, New Milford, Conn.
Buffalo Oil, Paint and Varnish Company, Buffalo, N. Y.
Joseph Dixon Crucible Company, Jersey City, N. J.
Eagle White Lead Company, Cincinnati, Ohio.
Enterprise Paint Manufacturing Company, Chicago, Ill.
Felton, Sibley & Co., Philadelphia, Pa.
Forest City Paint and Varnish Company, Cleveland, Ohio.
Samuel H. French & Co., Philadelphia, Pa.
W. P. Fuller & Co., San Francisco, Cal.
Gerstendorfer Brothers, New York.
Heath & Milligan Manufacturing Company, Chicago, Ill.
John Lucas & Co., Philadelphia, Pa.
McLennan Paint Company, Ltd., Buffalo, N. Y.
R. McWilliams, Ltd., New Orleans, La.
Herman A. Metz, New York.
National Fire Proof Paint Corporation, Chicago, Ill.
Eugene E. Nice, Philadelphia, Pa.
Nulsen, Klein & Krausse Manufacturing Company, St. Louis, Mo.
The Paraffine Paint Company, San Francisco, Cal.
Patton Paint Company, Milwaukee, Wis.
Peaslee-Gaulbert Company, Louisville, Ky.
Pecora Paint Company, Philadelphia, Pa.
The Sherwin-Williams Company, Cleveland, Ohio.

2098—PAINTS AND COLORS—Continued.

Spencer Wire Company, Worcester, Mass.
The Standard Paint Company, New York.
The H. F. Taintor Manufacturing Company, New York.
Valentine & Co., New York.

2099—PAINTS, FIREPROOF.

Philip Carey Manufacturing Company, Lockland, Ohio.
John Lucas & Co., Philadelphia, Pa.
National Fire Proof Paint Corporation, Chicago, Ill.
The Sherwin-Williams Company, Cleveland, Ohio.
Water Paint Company of America, New York.

2100—PAINTS, GOLD.

Gerstendorfer Brothers, New York.
Heath & Milligan Manufacturing Company, Chicago, Ill.
John Lucas & Co., Philadelphia, Pa.
R. McWilliams, Ltd., New Orleans, La.

2101—PAINTS, INSULATING.

Philip Carey Manufacturing Company, Lockland, Ohio.
John Lucas & Co., Philadelphia, Pa.
The Paraffine Paint Company, San Francisco, Cal.
The Standard Paint Company, New York.

2102—PAINTS, IRON ORE.

Felton, Sibley & Co., Philadelphia, Pa.
Forest City Paint and Varnish Company, Cleveland, Ohio.
John Lucas & Co., Philadelphia, Pa.
R. McWilliams, Ltd., New Orleans, La.
National Fire Proof Paint Corporation, Chicago, Ill.
Eugene E. Nice, Philadelphia, Pa.
Patton Paint Company, Milwaukee, Wis.
Pecora Paint Company, Philadelphia, Pa.
The Sherwin-Williams Company, Cleveland, Ohio.
The Standard Paint Company, New York.

2103—PAINTS, MARINE.

Acme White Lead and Color Works, Detroit, Mich.
John Lucas & Co., Philadelphia, Pa.
R. McWilliams, Ltd., New Orleans, La.
Eugene E. Nice, Philadelphia, Pa.
The Sherwin-Williams Company, Cleveland, Ohio.

2104—PAINTS, ROOFING.

Barrett Manufacturing Company, New York.
Philip Carey Manufacturing Company, Lockland, Ohio.
Joseph Dixon Crucible Company, Jersey City, N. J.
The Eastern Granite Roofing Company, New York.
Forest City Paint and Varnish Company, Cleveland, Ohio.
John Lucas & Co., Philadelphia, Pa.
R. McWilliams, Ltd., New Orleans, La.
National Fire Proof Paint Corporation, Chicago, Ill.
Eugene E. Nice, Philadelphia, Pa.
The Paraffine Paint Company, San Francisco, Cal.
The Sherwin-Williams Company, Cleveland, Ohio.
The Standard Paint Company, New York.

2105—PAINTS, SILICATE.

The Bridgeport Wood Finishing Company, New Milford, Conn.
John Lucas & Co., Philadelphia, Pa.
The Standard Paint Company, New York.

2106—PAINT AND VARNISH REMOVER.

Adams & Elting Company, Chicago, Ill.

2107—PAINTERS, CONTRACTING.

J. L. Strassel, Louisville, Ky.

2108—PAJAMAS.

Cluett, Peabody & Co., Troy, N. Y.
S. L. Munson, Albany, N. Y.
United Shirt and Collar Company, Troy, N. Y.

2109—PANS, SHOP AND FACTORY.

Thomas Carlin's Sons Company, Allegheny, Pa.
The W. J. Clark Company, Salem, Ohio.
Cleveland Wire Spring Company, Cleveland, Ohio.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
The New Britain Machine Company, New Britain, Conn.

2110—PANS, STEEL FRY.

Avery Stamping Company, Cleveland, Ohio.
Chattanooga Roofing and Foundry Company, Chattanooga, Tenn.
The W. J. Clark Company, Salem, Ohio.
Geuder & Paeschke Manufacturing Company, Milwaukee, Wis.
John H. Graham & Co., New York.
Hall & Carpenter, Philadelphia, Pa.
Holbrook, Merrill & Stetson, San Francisco, Cal.
Lalance & Grosjean Manufacturing Company, New York.
A. J. Lindemann & Hoverson Company, Milwaukee, Wis.
National Enameling and Stamping Company, New York.
New York Stamping Company, Brooklyn, N. Y.
Phillips & Buttorff Manufacturing Company, Nashville, Tenn.

2111—PANS, VACUUM.

Allis-Chalmers Company, Chicago, Ill.
E. B. Badger & Sons Company, Boston, Mass.
Birmingham Machine and Foundry Company, Birmingham, Ala.
Blymyer Iron Works Company, Cincinnati, Ohio.
Buffalo Forge Company, Buffalo, N. Y.
Chattanooga Plow Company, Chattanooga, Tenn.
Christopher Cunningham, Brooklyn, N. Y.
The Dimmick Pipe Company, Birmingham, Ala.
Hersey Manufacturing Company, South Boston, Mass.
Hoffman-Ahlers Company, Inc., Cincinnati, Ohio.
George M. Newhall Engineering Company, Ltd., Philadelphia, Pa.
Pusey & Jones Company, Wilmington, Del.
Quintard Iron Works Company, New York.
T. Shriver & Co., New York.
Sugar Apparatus Manufacturing Company, Philadelphia, Pa.
John Trageser Steam Copper Works, New York.
R. D. Wood & Co., Philadelphia, Pa.

2112—PAPER, ASBESTOS.

Philip Carey Manufacturing Company, Lockland, Ohio.
Keasbey & Mattison Company, Ambler, Pa.
H. F. Watson Company, Erie, Pa.

2113—PAPER BAGS.

(See Bags, Paper.)

2114—PAPER, BATTING.

Diamond Mills Paper Company, New York.
The Thompson & Norris Company, Brooklyn, N. Y.
Wisconsin Tissue Paper Company, Appleton, Wis.

2115—PAPER, BLOTTING.

Albermarle Paper Manufacturing Company, Richmond, Va.
Carter, Rice & Co., Inc., Boston, Mass.
Parsons Brothers, New York.
Standard Paper Manufacturing Company, Richmond, Va.

2116—PAPER, BLUE PRINT.

Eastman Kodak Company, Rochester, N. Y.
Keuffel & Esser Company, New York.

2117—PAPER BOARD.

(See Cards and Cardboard.)

2118—PAPER, BOND.

(See Paper, Linen.)

2119—PAPER, BOOK.

American Writing Paper Company, Holyoke, Mass.
L. L. Brown Paper Company, Adams, Mass.
Bryant Paper Company, Kalamazoo, Mich.
Bulkley, Dunton & Co., New York.
The Champion Coated Paper Company, Hamilton, Ohio.
Dill & Collins Company, Philadelphia, Pa.
George H. Friend Paper and Tablet Company, West Carrollton, Ohio.
Imperial Coating Mills, Kalamazoo, Mich.
International Paper Company, New York.
Kalamazoo Paper Company, Kalamazoo, Mich.
Kimberly & Clark Company, Neenah, Wis.
King Paper Company, Kalamazoo, Mich.
Knowlton Bros., Watertown, N. Y.
Menasha Paper Company, Menasha, Wis.
Mittineague Paper Company, Mittineague, Mass.
The Martin & William H. Nixon Paper Company, Philadelphia, Pa.
Parsons Brothers, New York.
Poland Paper Company, Mechanic Falls, Me.
Reading Paper Mills, Philadelphia, Pa.
Riverside Fibre and Paper Company, Appleton, Wis.
Superior Paper Company, Kalamazoo, Mich.
West Virginia Pulp and Paper Company, New York.
George A. Whiting, Menasha, Wis.

2120—PAPER BOX BOARDS.

Brownville Board Company, Brownville, N. Y.
Falulah Paper Company, Fitchburg, Mass.
International Paper Company, New York.
The Kokomo Paper Company, Kokomo, Ind.
La Fayette Box Board and Paper Company, La Fayette, Ind.
The Russell Company, Boston, Mass.
The Thompson & Norris Company, Brooklyn, N. Y.
United Box Board and Paper Company, New York.

2121—PAPER BOXES.

(See Cartons.)

2122—PAPER, BUILDING.

Barrett Manufacturing Company, New York.
Keasbey & Mattison Company, Ambler, Pa.
Mullen Brothers Paper Company, St. Joseph, Mich.
The Paraffine Paint Company, San Francisco, Cal.
The J. W. Sefton Manufacturing Company, Chicago, Ill.
The Standard Paint Company, New York.
Warren-Ehret Company, Philadelphia, Pa.
H. F. Watson Company, Erie, Pa.

2123—PAPER, CARBON.

The Carter's Ink Company, Boston, Mass.
C. H. Dexter & Sons, Windsor Locks, Conn.
The Newton-Rotherick Manufacturing Company, Toledo, Ohio.
Remington Typewriter Company, New York.
The Smith Premier Typewriter Company, Syracuse, N. Y.
S. S. Stafford, Inc., New York.
F. S. Webster Company, Boston, Mass.
The Weis Manufacturing Company, Toledo, Ohio.

2124—PAPER, CARBON-COATING AND MANIFOLDING.

Diamond Mills Paper Company, New York.

2125—PAPER, CASH REGISTER AND ADDING MACHINE.

Albany Perforated Wrapping Paper Company, Albany, N. Y.
The United Autographic Register Company, Chicago, Ill.
Wabash Cabinet Company, Wabash, Ind.

2126—PAPER, CIGARETTE.

Diamond Mills Paper Company, New York.

2127—PAPER, COATED.

Albany Card and Paper Manufacturing Company, Albany, N. Y.
Carter, Rice & Co., Inc., Boston, Mass.
The Champion Coated Paper Company, Hamilton, Ohio.
Dill & Collins Company, Philadelphia, Pa.
Falulah Paper Company, Fitchburg, Mass.
Imperial Coating Mills, Kalamazoo, Mich.
International Paper Company, New York.
Kalamazoo Paper Company, Kalamazoo, Mich.
Parsons Brothers, New York.
Reading Paper Mills, Philadelphia, Pa.
Superior Paper Company, Kalamazoo, Mich.

2128—PAPER, COATING.

American Wood Board Company, Schuylerville, N. Y.

2129—PAPER, COLORED.

Bryant Paper Company, Kalamazoo, Mich.
Carthage Tissue Paper Mills, Carthage, N. Y.
Diamond Mills Paper Company, New York.
The C. W. Howard Company, Menasha, Wis.
Imperial Coating Mills, Kalamazoo, Mich.
International Paper Company, New York.
Island Paper Company, Menasha, Wis.
Japanese Tissue Mills, Holyoke, Mass.
Knowlton Bros., Watertown, N. Y.
Menasha Paper Company, Menasha, Wis.
Niagara Paper Mills, Lockport, N. Y.
Parsons Brothers, New York.

2129—PAPER, COLORED—Continued.

G. B. Rommel, Pittston, Pa.
Stevens & Thompson Paper Company, North Hoosick, N. Y.
Wisconsin Tissue Paper Company, Appleton, Wis.

2130—PAPER, COPYING.

Diamond Mills Paper Company, New York.
William Mann Company, Philadelphia, Pa.
F. H. Whittelsey, Windsor Locks, Conn.

2131—PAPER, CORRUGATED.

Illinois-Pacific Glass Company, San Francisco, Cal.
The J. W. Sefton Manufacturing Company, Chicago, Ill.
The Thompson & Norris Company, Brooklyn, N. Y.

2132—PAPER, COVER.

American Writing Paper Company, Holyoke, Mass.
C. H. Dexter & Sons, Windsor Locks, Conn.
Imperial Coating Mills, Kalamazoo, Mich.
Knowlton Bros., Watertown, N. Y.
Mittineague Paper Company, Mittineague, Mass.
Niagara Paper Mills, Lockport, N. Y.
Parsons Brothers, New York.
Thilmany Pulp and Paper Company, Kaukauna, Wis.
Worthy Paper Company, Mittineague, Mass.

2133—PAPER, CREPE.

Japanese Tissue Mills, Holyoke, Mass.

2134—PAPER, DRAWING.

L. L. Brown Paper Company, Adams, Mass.
Mittineague Paper Company, Mittineague, Mass.
Parsons Paper Company, Holyoke, Mass.

2135—PAPER, EMBOSSED.

Brown & Bigelow, St. Paul, Minn.
Carter, Rice & Co., Inc., Boston, Mass.

2136—PAPER, ENAMELED.

Bulkley, Dunton & Co., New York.
Carter, Rice & Co., Inc., Boston, Mass.
Imperial Coating Mills, Kalamazoo, Mich.
Standard Paper Manufacturing Company, Richmond, Va.

2137—PAPER, ENVELOPE.

Bryant Paper Company, Kalamazoo, Mich.
Gilbert Paper Company, Menasha, Wis.
Kalamazoo Paper Company, Kalamazoo, Mich.
Moore & Thompson Paper Company, Bellows Falls, Vt.
Parsons Brothers, New York.
West Virginia Pulp and Paper Company, New York.

2138—PAPER, EXPRESS.

Island Paper Company, Menasha, Wis.
Moore & Thompson Paper Company, Bellows Falls, Vt.
Prairie State Paper Company, Taylorville, Ill.
West Virginia Pulp and Paper Company, New York.

2139—PAPER, FIREPROOF.

Keasbey & Mattison Company, Ambler, Pa.
H. F. Watson Company, Erie, Pa.

2140—PAPER, FOLDING BOX.

Brownville Board Company, Brownville, N. Y.
Falulah Paper Company, Fitchburg, Mass.
The Kokomo Paper Company, Kokomo, Ind.
United Box Board and Paper Company, New York.

2141—PAPER, GUMMED.

Carter, Rice & Co., Inc., Boston, Mass.
Thomas Stationery Manufacturing Company, Springfield, Ohio.

2142—PAPER HANGINGS.

Fort Miller Pulp and Paper Company, Fort Miller, N. Y.
International Paper Company, New York.

2143—PAPER HOLDERS AND CUTTERS, ROLL.

Josiah Anstice & Co., Rochester, N. Y.
The Champion Paper Cutter Company, Piqua, Ohio.

2144—PAPER, INSULATING.

F. W. Bird & Son, East Walpole, Mass.
Samuel Cabot, Boston, Mass.
Keasbey & Mattison Company, Ambler, Pa.
The Lincoln Waterproof Cloth Company, Bound Brook, N. J.
The Standard Paint Company, New York.
H. F. Watson, Erie, Pa.

2145—PAPER, LINEN.

American Writing Paper Company, Holyoke, Mass.
L. L. Brown Paper Company, Adams, Mass.
Bryant Paper Company, Kalamazoo, Mich.
Central Ohio Paper Company, Columbus, Ohio.
C. H. Dexter & Sons, Windsor Locks, Conn.
Gilbert Paper Company, Menasha, Wis.
Hammermill Paper Company, Erie, Pa.
Hampshire Paper Company, South Hadley Falls, Mass.
Island Paper Company, Menasha, Wis.
Kalamazoo Paper Company, Kalamazoo, Mich.
Mittineague Paper Company, Mittineague, Mass.
Parsons Brothers, New York.
Parsons Paper Company, Holyoke, Mass.
Raynor & Perkins Envelope Company, New York.
B. D. Rising Paper Company, Housatonic, Mass.
George A. Whiting, Menasha, Wis.
Woronoco Paper Company, Woronoco, Mass.
Worthy Paper Company, Mittineague, Mass.

2146—PAPER, LITHOGRAPH.

L. L. Brown Paper Company, Adams, Mass.
Bryant Paper Company, Kalamazoo, Mich.
Dill & Collins Company, Philadelphia, Pa.
Imperial Coating Mills, Kalamazoo, Mich.
Island Paper Company, Menasha, Wis.
Kalamazoo Paper Company, Kalamazoo, Mich.
King Paper Company, Kalamazoo, Mich.
Menasha Paper Company, Menasha, Wis.
Reading Paper Mills, Philadelphia, Pa.
G. B. Rommel, Pittston, Pa.
Superior Paper Company, Kalamazoo, Mich.
Thilmany Pulp and Paper Company, Kaukauna, Wis.
West Virginia Pulp and Paper Company, New York.

2147—PAPER, MANILA.

Albany Perforated Wrapping Paper Company, Albany, N. Y.
American Writing Paper Company, Holyoke, Mass.
Brownville Board Company, Brownville, N. Y.
Central Paper Company, Muskegon, Mich.
Champion Paper Company, Carthage, N. Y.
The Cleveland-Akron Bag Company, Cleveland, Ohio.
Diamond Mills Paper Company, New York.
Falulah Paper Company, Fitchburg, Mass.
Hollingsworth & Vose Company, Boston, Mass.
The C. W. Howard Company, Menasha, Wis.
International Paper Company, New York.
Island Paper Company, Menasha, Wis.
Menasha Paper Company, Menasha, Wis.
Moore & Thompson Paper Company, Bellows Falls, Vt.
Parsons Brothers, New York.
Prairie State Paper Company, Taylorville, Ill.
Reading Paper Mills, Philadelphia, Pa.
Stevens & Thompson Paper Company, North Hoosick, N. Y.
Taggart Brothers Company, Watertown, N. Y.
Tarentum Paper Mills, Pittsburg, Pa.
Union Bag and Paper Company, New York.

2148—PAPER, MAP.

Bryant Paper Company, Kalamazoo, Mich.
Dill & Collins Company, Philadelphia, Pa.
Kalamazoo Paper Company, Kalamazoo, Mich.
King Paper Company, Kalamazoo, Mich.
Mittineague Paper Company, Mittineague, Mass.
Reading Paper Mills, Philadelphia, Pa.

2149—PAPER, NEWS.

Bulkley, Dunton & Co., New York.
Champion Paper Company, Carthage, N. Y.
Cliff Paper Company, Niagara Falls, N. Y.
Combined Locks Paper Company, Appleton, Wis.
The C. W. Howard Company, Menasha, Wis.
International Paper Company, New York.
Menasha Paper Company, Menasha, Wis.
Parsons Brothers, New York City.
Pettebone Cataract Paper Company, Niagara Falls, N. Y.
Raymondville Paper Company, Watertown, N. Y.
Riverside Fibre and Paper Company, Appleton, Wis.
St. Regis Paper Company, Watertown, N. Y.

2150—PAPER, OILED.

F. H. Whittelsey, Windsor Locks, Conn.

2151—PAPER, PARCHMENT.

L. L. Brown Paper Company, Adams, Mass.
Bryant Paper Company, Kalamazoo, Mich.
Dill & Collins Company, Philadelphia, Pa.
Gilbert Paper Company, Menasha, Wis.
Kalamazoo Paper Company, Kalamazoo, Mich.
King Paper Company, Kalamazoo, Mich.
Mittineague Paper Company, Mittineague, Mass.
Moore & Thompson Paper Company, Bellows Falls, Vt.
Parsons Paper Company, Holyoke, Mass.
Raynor & Perkins Envelope Company, New York.
Reading Paper Mills, Philadelphia, Pa.

2151—PAPER, PARCHMENT—Continued.

Superior Paper Company, Kalamazoo, Mich.
Union Waxed and Parchment Paper Company, New York.
West Virginia Pulp and Paper Company, New York.
Woronoco Paper Company, Woronoco, Mass.
Worthy Paper Company, Mittineague, Mass.

2152—PAPER, PATTERN.

Niagara Paper Mills, Lockport, N. Y.
Thilmany Pulp and Paper Company, Kaukauna, Wis.

2153—PAPER, PHOTOGRAPHIC.

The Anthony & Scovill Company, Binghamton, N. Y.
Eastman Kodak Company, Rochester, N. Y.

2154—PAPER, POUNCING.

Herman Behr & Co., New York.

2155—PAPER, RAILROAD TICKET.

Moore & Thompson Paper Company, Bellows Falls, Vt.

2156—PAPER, ROPE.

Central Paper Company, Muskegon, Mich.
The Cleveland-Akron Bag Company, Cleveland, Ohio.
Hollingsworth & Vose Company, Boston, Mass.
Reading Paper Mills, Philadelphia, Pa.
Taggart Brothers Company, Watertown, N. Y.
Tarentum Paper Mills, Pittsburg, Pa.

2157—PAPER, SAND, GARNET, ETC.

(See Sand and Flint Paper and Cloth.)

2158—PAPER, STEREOTYPE MATRIX.

Albemarle Paper Manufacturing Company, Richmond, Va.
Parsons Brothers, New York.
Standard Paper Manufacturing Company, Richmond, Va.

2159—PAPER STOCK.

Burgess Sulphite Fibre Company, Boston, Mass.
Riverside Mills, Augusta, Ga.

2160—PAPER, TISSUE.

Albany Perforated Wrapping Paper Company, Albany, N. Y.
Carthage Tissue Paper Mills, Carthage, N. Y.
C. H. Dexter & Sons, Windsor Locks, Conn.
Diamond Mills Paper Company, New York.
Japanese Tissue Mills, Holyoke, Mass.
Northern Tissue Paper Mills, Green Bay, Wis.
Scott Paper Company, Philadelphia, Pa.
Stevens & Thompson Paper Company, North Hoosick, N. Y.
Thilmany Pulp and Paper Company, Kaukauna, Wis.
Union Waxed and Parchment Paper Company, New York.
F. H. Whittelsey, Windsor Locks, Conn.
Wisconsin Tissue Paper Company, Appleton, Wis.

2161—PAPER, TOILET.

Albany Perforated Wrapping Paper Company, Albany, N. Y.
Diamond Mills Paper Company, New York.
Northern Tissue Paper Mills, Green Bay, Wis.
Scott Paper Company, Philadelphia, Pa.
F. H. Whittelsey, Windsor Locks, Conn.

2162—PAPER, WALL.

Fort Miller Pulp and Paper Company, Fort Miller, N. Y.
International Paper Company, New York.

2163—PAPER, WALL, UNPRINTED.

(See Paper Hangings.)

2164—PAPER, WATERPROOF.

Barrett Manufacturing Company, New York.
F. W. Bird & Son, East Walpole, Mass.
The Standard Paint Company, New York.

2165—PAPER, WAXED.

Albany Perforated Wrapping Paper Company, Albany, N. Y.
A. B. Dick Company, Chicago, Ill.
Moore & Thompson Paper Company, Bellows Falls, Vt.
Union Waxed and Parchment Paper Company, New York.

2166—PAPER, WRAPPING.

Albany Perforated Wrapping Paper Company, Albany, N. Y.
Central Paper Company, Muskegon, Mich.
Champion Paper Company, Carthage, N. Y.
The C. W. Howard Company, Menasha, Wis.
Illinois-Pacific Glass Company, San Francisco, Cal.
International Paper Company, New York.
Island Paper Company, Menasha, Wis.
Moore & Thompson Paper Company, Bellows Falls, Vt.
Parsons Brothers, New York.
Prairie State Paper Company, Taylorville, Ill.
Reading Paper Mills, Philadelphia, Pa.
G. B. Rommel, Pittston, Pa.
The J. W. Sefton Manufacturing Company, Chicago, Ill.
Taggart Brothers Company, Watertown, N. Y.
Tarentum Paper Mills, Pittsburg, Pa.
Thilmany Pulp and Paper Company, Kaukauna, Wis.
The Thompson & Norris Company, Brooklyn, N. Y.
West Virginia Pulp and Paper Company, New York.
Wisconsin Tissue Paper Company, Appleton, Wis.

2167—PAPER, WRITING.

American Writing Paper Company, Holyoke, Mass.
J. C. Blair Company, Huntingdon, Pa.
L. L. Brown Paper Company, Adams, Mass.
Bryant Paper Company, Kalamazoo, Mich.
Central Ohio Paper Company, Columbus, Ohio.
C. H. Dexter & Sons, Windsor Locks, Conn.
George H. Friend Paper and Tablet Company, West Carrollton, Ohio.
Garden City Tablet Company, Elkhart, Ind.
Gilbert Paper Company, Menasha, Wis.
Hammermill Paper Company, Erie, Pa.
Hampshire Paper Company, South Hadley Falls, Mass.
International Paper Company, New York.
Kalamazoo Paper Company, Kalamazoo, Mich.
Mittineague Paper Company, Mittineague, Mass.
Parsons Brothers, New York.
Parsons Paper Company, Holyoke, Mass.
Raynor & Perkins Envelope Company, New York.
B. D. Rising Paper Company, Housatonic, Mass.

2167—PAPER, WRITING—Continued.

West Virginia Pulp and Paper Company, New York.
George A. Whiting, Menasha, Wis.
Woronoco Paper Company, Woronoco, Mass.
Worthy Paper Company, Mittineague, Mass.

2168—PAPETERIES.

J. C. Blair Company, Huntingdon, Pa.
George H. Friend Paper and Tablet Company, West Carrollton, Ohio.
Parsons Brothers, New York.
Reynolds & Reynolds Company, Dayton, Ohio.
C. F. Rumpp & Sons, Philadelphia, Pa.

2169—PARAFFINE.

Crew-Levick Company, Philadelphia, Pa.
The Paraffine Paint Company, San Francisco, Cal.
Tide Water Oil Company, New York.
Union Petroleum Company, Philadelphia, Pa.
Will & Baumer Company, Syracuse, N. Y.

2170—PARERS, FRUIT AND POTATO.

Goodell Company, Antrim, N. H.
Reading Hardware Company, Reading, Pa.

2171—PARQUET FLOORING.

(See Flooring, Hardwood.)

2172—PASTE, OFFICE AND LIBRARY.

(See Mucilage and Paste.)

2173—PASTE, STENCIL.

(See Ink, Marking and Stenciling.)

2174—PATTERNS FOR CLOTHING.

The Jno. J. Mitchell Company, New York.

2175—PATTERNS, MACHINERY.

Acme Steel and Malleable Iron Works, Buffalo, N. Y.
Textile Machine Works, Reading, Pa.

2176—PAVING MATERIALS.

Barrett Manufacturing Company, New York.
Bessemer Limestone Company, Youngstown, Ohio.
Philip Carey Manufacturing Company, Lockland, Ohio.
Warren-Ehret Company, Philadelphia, Pa.

2177—PEDALS, BICYCLE.

M. Hartley Company, New York.

2178—PENCILS, LEAD.

Joseph Dixon Crucible Company, Jersey City, N. J
Eberhard Faber, New York.
Keuffel & Esser Company, New York.

2179—PENCILS, SLATE.

Binney & Smith Company, New York.
D. M. Steward Manufacturing Company, Chattanooga, Tenn.

2180—PENHOLDERS.

Esterbrook Steel Pen Manufacturing Company, New York.
Eberhard Faber, New York.

2181—PENS, FOUNTAIN.

The Conklin Pen Company, Toledo, Ohio.
Eberhard Faber, New York.
S. S. Stafford, Inc., New York.
J. Ullrich & Co., New York.

2182—PENS, GOLD.

J. Ullrich & Co., New York.

2183—PENS, RULING, PAPER RULERS'.

The W. O. Hickok Manufacturing Company, Harrisburg, Pa.
Keystone Type Foundry, Philadelphia, Pa.

2184—PENS, STEEL AND METALLIC.

Esterbrook Steel Pen Manufacturing Company, New York.
The Niagara Clip Company, New York.
S. S. Stafford, Inc., New York.

2185—PENS, STYLOGRAPHIC.

J. Ullrich & Co., New York.

2186—PERFORATORS, PAPER.

Barnhart Brothers & Spindler, Chicago, Ill.

2187—PERFUMERS' RAW MATERIALS.

Antoine Chiris, New York.
Dodge & Olcott, New York.

2188—PERFUMES AND EXTRACTS.

Antoine Chiris, New York.
Hall & Ruckel, New York.
Larkin Company, Buffalo, N. Y.
Lazell, Dalley & Co., New York.
Frederick Stearns & Co., Detroit, Mich.

2189—PERIODICALS.

American Electrician, McGraw Publishing Company, New York.
The American Furrier, Jno. J. Mitchell Company, New York.
American Harness and Saddlery Directory, Trade News Publishing Company, New York.
American Industries, National Association of Manufacturers, New York.
The American Ladies' Tailor and *Supplement,* Jno. J. Mitchell Company, New York.
American Machinist, The Hill Publishing Company, New York.
American Street Railway Investments, or Street Railway Red Book, McGraw Publishing Company, New York.
American Tailor and Cutter, Jno. J. Mitchell Company, New York.
Cassier's Magazine, The Cassier Magazine Company, New York.
Cloak and Suit Novelties, Jno. J. Mitchell Company, New York.
The Dental Summary, The Ransom & Randolph Company, Toledo, Ohio.
El Comercio, The J. Shepherd Clark Company, New York.
Electric Railway Directory, McGraw Publishing Company, New York.
Electrical World and Engineer, McGraw Publishing Company, New York.
Engineering and Mining Journal, The Hill Publishing Company, New York.
The Engineering Record, McGraw Publishing Company, New York.
Harness, Trade News Publishing Company, New York.
The Hub, Trade News Publishing Company, New York.
The International Buyer, Trade News Publishing Company, New York.
International Military Series, Franklin Hudson Publishing Company, New York.

2189—PERIODICALS—Continued.

Journal of Applied Microscopy and Laboratory Methods, Bausch & Lomb Optical Company, Rochester, N. Y.
The Manufacturers' Record, Manufacturers' Record Publishing Company, Baltimore, Md.
The Mechanic, H. B. Smith Machine Company, Smithville, N. J.
Power, The Hill Publishing Company, New York.
Sartorial Art Journal (men's fashions), Jno. J. Mitchell Company, New York.
Skirt Novelties, Jno. J. Mitchell Company, New York.
The Southern Farm Magazine, Manufacturers' Record Publishing Company, Baltimore, Md.
Street Railway Journal, McGraw Publishing Company, New York.
Waist Novelties, Jno. J. Mitchell Company, New York.

2190—PETROLATUM.

Tide Water Oil Company, New York.
Union Petroleum Company, Philadelphia, Pa.

2191—PETROLEUM AND ITS PRODUCTS.

Crew-Levick Company, Philadelphia, Pa.
Tide Water Oil Company, New York.
Union Petroleum Company, Philadelphia, Pa.

2192—PHAETONS.

American Carriage Company, Cincinnati, Ohio.
H. H. Babcock Company, Watertown, N. Y.
S. E. Baily & Co., Lancaster, Pa.
Barnett Carriage Company, Cincinnati, Ohio.
Columbia Carriage Company, Hamilton, Ohio.
The Columbus Carriage and Harness Company, Columbus, Ohio.
Elkhart Carriage and Harness Manufacturing Company, Elkhart, Ind.
The Flint Wagon Works, Flint, Mich.
Hassett & Hodge, Amesbury, Mass.
H. E. Holmes & Co., San Francisco, Cal.
James & Mayer Buggy Company, Lawrenceburg, Ind.
W. H. Kiblinger Company, Auburn, Ind.
La Porte Carriage Company, La Porte, Ind.
Lilly Carriage Company, Memphis, Tenn.
The Martin Carriage Works, York, Pa.
Michigan Buggy Company, Kalamazoo, Mich.
H. A. Moyer, Syracuse, N. Y.
The New Haven Carriage Company, New Haven, Conn.
Parry Manufacturing Company, Indianapolis, Ind.
Racine-Sattley Company, Springfield, Ill.
Rock Island Buggy Company, Rock Island, Ill.
Sechler & Co., Cincinnati, Ohio.
D. M. Sechler Carriage Company, Moline, Ill.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
The Union City Carriage Manufacturing Company, Union City, Ind.
Westcott Carriage Company, Richmond, Ind.

2193—PHARMACEUTICAL PREPARATIONS.

Billings Clapp Company, Boston, Mass.
The Cudahy Packing Company, New York.
Emerson Drug Company, Baltimore, Md.
Hall & Ruckel, New York.
The G. F. Harvey Company, Saratoga Springs, N. Y.
The Heyden Chemical Works, New York.
Johnson & Johnson, New Brunswick, N. J.
Keasbey & Mattison Company, Ambler, Pa.

2193—PHARMACEUTICAL PREPARATIONS—Continued.

Dr. Kilmer & Co., Binghamton, N. Y.
Eli Lilly & Co., Indianapolis, Ind.
Mallinckrodt Chemical Works, St. Louis, Mo.
Maltine Company, Brooklyn, N. Y.
Dr. Miles Medical Company, Elkhart, Ind.
Moxie Nerve Food Company of New England, Boston, Mass.
National Licorice Company, Brooklyn, N. Y.
Paris Medicine Company, St. Louis, Mo.
Parke, Davis & Co., Detroit, Mich.
Rosengarten & Sons, Inc., Philadelphia, Pa.
Smith Brothers, Poughkeepsie, N. Y.
Frederick Stearns & Co., Detroit, Mich.
Swanson Rheumatic Cure Company, Chicago, Ill.
Taft's Asthmalene Company, New York.
Henry K. Wampole & Co., Philadelphia, Pa.
William R. Warner & Co., Philadelphia, Pa.
John Wyeth & Brother, Inc., Philadelphia, Pa.

2194—PHONOGRAPHS.

Edison Phonograph Works, Orange, N. J.
Tea Tray Company of Newark, Newark, N. J.

2195—PHOSPHATE ROCK.

Meridian Fertilizer Factory, Meridian, Miss.
Virginia-Carolina Chemical Company, Richmond, Va.

2196—PHOSPHOR-BRONZE, ROLLED AND CAST.

(See Bronze, Phosphor.)

2197—PHOSPHOR-COPPER.

Clum & Atkinson, Rochester, N. Y.

2198—PHOSPHOR-TIN.

Clum & Atkinson, Rochester, N. Y.
New Era Manufacturing Company, Kalamazoo, Mich.

2199—PHOTO-ENGRAVERS.

(See Engravers, Half-Tone.)

2200—PHOTO-LITHOGRAPHERS.

Julius Bien & Co., New York.
The Gugler Lithographic Company, Milwaukee, Wis.
Norris Peters Company, Washington D. C.
Strobridge Lithographing Company, Cincinnati, Ohio.
William Vogel & Brothers, Brooklyn, N. Y.
Woodward & Tiernan Printing Company, St. Louis, Mo.

2201—PHOTOGRAPH MOUNTS.

Albany Card and Paper Manufacturing Company, Albany, N. Y.
A. M. Collins Manufacturing Company, Philadelphia, Pa.
Mittineague Paper Company, Mittineague, Mass.

2202—PHOTOGRAPHIC APPARATUS AND SUPPLIES.

Adams & Westlake Company, Chicago, Ill.
The Anthony & Scovill Company, Binghamton, N. Y.
Bausch & Lomb Optical Company, Rochester, N. Y.
Eastman Kodak Company, Rochester, N. Y.
C. P. Goerz Optical Works, New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Charles Pfizer & Co., New York.

2202—PHOTOGRAPHIC APPARATUS AND SUPPLIES—Continued.

Rochester Optical Company, Rochester, N. Y.
Seneca Camera Company, Rochester, N. Y.
J. B. Wise, Watertown, N. Y.
Wollensak Optical Company, Rochester, N. Y.

2203—PHOTOPRINTING MATERIALS.

Eastman Kodak Company, Rochester, N. Y.
Keuffel & Esser Company, New York.

2204—PHYSICAL AND PHYSIOLOGICAL APPARATUS.

(See also Instruments, Scientific.)

Bausch & Lomb Optical Company, Rochester, N. Y.
W. & L. E. Gurley, Inc., Troy, N. Y.
C. H. Stoelting Company, Chicago, Ill.

2205—PIANO ACTIONS AND KEYS.

Krell-French Piano Company, Newcastle, Ind.

2206—PIANO BACKS AND CASES.

Krell-French Piano Company, Newcastle, Ind.

2207—PIANO PLATES.

O. S. Kelly Company, Springfield, Ohio.
T. Shriver & Co., New York.

2208—PIANO PLAYING ATTACHMENTS.

The Baldwin Company, Cincinnati, Ohio.
Melville Clark Piano Company, Chicago, Ill.
Farrand Organ Company, Detroit, Mich.
W. W. Kimball Company, Chicago, Ill.
Needham Piano and Organ Company, New York.
The Sterling Company, Derby, Conn.

2209—PIANOS.

Baldwin Company, Cincinnati, Ohio.
George P. Bent, Chicago, Ill.
The Cable Company, Chicago, Ill.
Chase-Hackley Piano Company, Muskegon, Mich.
Melville Clark Piano Company, Chicago, Ill.
Emerson Piano Company, Boston, Mass.
Farrand Organ Company, Detroit, Mich.
J. & C. Fischer, New York.
Edward Germain, Saginaw, Mich.
Ivers & Pond Piano Company, Boston, Mass.
W. W. Kimball Company, Chicago, Ill.
Wm. Knabe & Co., Baltimore, Md.
Krell-French Piano Company, Newcastle, Ind.
Miller Organ and Piano Company, Lebanon, Pa.
Needham Piano and Organ Company, New York.
Newman Brothers Company, Chicago, Ill.
Packard Company, Fort Wayne, Ind.
M. Schulz Company, Chicago, Ill.
Steinway & Sons, New York.
The Sterling Company, Derby, Conn.
Story & Clark Piano Company, Chicago, Ill.
Straube Piano Company, Chicago, Ill.
Strich & Zeidler, New York.
William Tonk & Bro., Inc., New York.
Weaver Organ and Piano Company, York, Pa.
Western Cottage Piano and Organ Company, Ottawa, Ill.
O. Wissner, Brooklyn, N. Y.

2210—PICKLES.

Dodson-Braun Manufacturing Company, St. Louis, Mo.
E. C. Hazard & Co., New York.
H. J. Heinz Company, Pittsburg, Pa.
Kuner Pickle Company, Denver, Col.
Libby, McNeil & Libby, Inc., Chicago, Ill.
Williams Brothers Company, Detroit, Mich.

2211—PICKS.

W. H. Anderson & Sons, Inc., Detroit, Mich.
Collins & Co., New York.
The Evansville Tool Works, Evansville, Ind.
John H. Graham & Co., New York.
Iron City Tool Works, Ltd., Pittsburg, Pa.
The Klein-Logan Company, Pittsburg, Pa.
Oliver Iron and Steel Company, Pittsburg, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Warwood Tool Company, Wheeling, W. Va.

2212—PICTURE BACKS.

The Thompson & Norris Company, Brooklyn, N. Y.

2213—PICTURES.

Nathan H. Hirshberg & Son, Baltimore, Md.
The Reuhl Moulding Manufacturing Company, Cincinnati, Ohio.

2214—PICTURES, RELIGIOUS.

Nathan H. Hirshberg & Son, Baltimore, Md.

2215—PILE DRIVERS.

American Hoist and Derrick Company, St, Paul, Minn.
The Bucyrus Company, South Milwaukee, Wis.
Ingersoll-Sergeant Drill Company, New York.
Lambert Hoisting Engine Company, Newark, N. J.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
National Iron Company, West Duluth, Minn.

2216—PILING, FOUNDATION.

Francis Beidler & Co., Chicago, Ill.
Paine Lumber Company, Ltd., Oshkosh, Wis.
Salmen Brick and Lumber Company, Slidell, La.
Tacoma Mill Company, San Francisco, Cal.
Wheeler & Dusenbury, Endeavor, Pa.

2217—PILLOW BLOCKS.

(See also Hangers.)
Charles Bond, Philadelphia, Pa.
Dodge Manufacturing Company, Mishawaka, Ind.
Hill Clutch Company, Cleveland, Ohio.
Lane Manufacturing Company, Montpelier, Vt.
Medart Patent Pulley Company, St. Louis, Mo.
Minneapolis Steel and Machinery Company, Minneapolis, Minn.
Nordyke & Marmon Company, Indianapolis, Ind.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Wheland Machine Works, Chattanooga, Tenn.
T. B. Wood's Sons, Chambersburg, Pa.

2218—PILLOWS.

O. D. Baker & Co., Boston, Mass.
R. Blankenburg & Co., Philadelphia, Pa.
A. J. Logan & Co., Pittsburg, Pa.
P. R. Mitchell Company, Cincinnati, Ohio.
National Casket Company, New York.
Seattle Mattress and Upholstery Company, Seattle, Wash.

2219—PILLS.

The G. F. Harvey Company, Saratoga Springs, N. Y.
Keasbey & Mattison, Ambler, Pa.
Dr. Kilmer & Co., Binghamton, N. Y.
Eli Lilly & Co., Indianapolis, Ind.
Dr. Miles Medical Company, Elkhart, Ind.
National Licorice Company, Brooklyn, N. Y.
Parke, Davis & Co., Detroit, Mich.
Frederick Stearns & Co., Detroit, Mich.
Swanson Rheumatic Cure Company, Chicago, Ill.
Henry K. Wampole & Co., Philadelphia, Pa.
William R. Warner & Co., Philadelphia, Pa.
John Wyeth & Brother, Inc., Philadelphia, Pa.

2220—PINCH BARS.

(See Crowbars.)

2221—PINIONS, CAR MOTOR.

Federal Manufacturing Company, Cleveland, Ohio.
The Van Dorn & Dutton Company, Cleveland, Ohio.

2222—PINIONS, ROLLING MILL.

A. Garrison Foundry Company, Pittsburg, Pa.
Seaman-Sleeth Company, Pittsburg, Pa.
Taylor Iron and Steel Company, High Bridge, N. J.

2223—PINS, BLANKET, FOR HORSES.

F. E. Kohler & Co., Canton, Ohio.

2224—PINS, BRAKE SHOE.

Republic Iron and Steel Company, Chicago, Ill.

2225—PINS, BRASS.

The Plume & Atwood Manufacturing Company, New York.

2226—PINS, CLOTHES.

Richmond Cedar Works, Richmond, Va.

2227—PINS, DOWEL.

Stephenson Manufacturing Company, South Bend, Ind.
United States Bung Manufacturing Company, Brooklyn, N. Y.

2228—PINS, ESCUTCHEON.

Blake & Johnson, Waterbury, Conn.
R. C. Jenkinson & Co., Newark, N. J.
The Plume & Atwood Manufacturing Company, New York.

2229—PINS, HAIR.

(See Hairpins.)

2230—PIPE, BRASS.

H. Belfield & Co., Philadelphia, Pa.
Hoffmann & Billings Manufacturing Company, Milwaukee, Wis.
John Simmons Company, New York.

2231—PIPE, CAST IRON.

American Car and Foundry Company, New York.
H. Belfield & Co., Philadelphia, Pa.
Colwell Lead Company, New York.
The Dimmick Pipe Company, Birmingham, Ala.
Fuller Iron Works, Providence, R. I.
Haines, Jones & Cadbury Company, Philadelphia, Pa.
Hoffmann & Billings Manufacturing Company, Milwaukee, Wis.
Kelly Foundry and Machine Company, Goshen, Ind.
Love Brothers, Inc., Aurora, Kane County, Ill.
The Milner & Kettig Company, Birmingham, Ala.
John Simmons Company, New York.
Walworth Manufacturing Company, Boston, Mass.
Western Gas Construction Company, Fort Wayne, Ind.
H. Wetter Manufacturing Company, Memphis, Tenn.
L. Wolff Manufacturing Company, Chicago, Ill.
R. D. Wood & Co., Philadelphia, Pa.

2232—PIPE, CEMENT-LINED WROUGHT IRON.

American Pipe Manufacturing Company, Philadelphia, Pa.

2233—PIPE, COILED, IRON, BRASS AND COPPER.

E. B. Badger & Sons Company, Boston, Mass.
Hoffman-Ahlers Company, Inc., Cincinnati, Ohio.
National Pipe Bending Company, New Haven, Conn.
John Simmons Company, New York.
John Trageser Steam Copper Works, New York.
Henry Vogt Machine Company, Louisville, Ky.
Whitlock Coil Pipe Company, Hartford, Conn.

2234—PIPE, CONDUCTOR.

The American Rolling Mill Company, Middletown, Ohio.
American Sheet and Tin Plate Company, Pittsburg, Pa.
Berger Manufacturing Company, Canton, Ohio.
Klauer Manufacturing Company, Dubuque, Iowa.
Lamb & Ritchie, Cambridgeport, Mass.
David Lupton's Sons Company, Philadelphia, Pa.
The Vermont Slate Company, Inc., Granville, N. Y.

2235—PIPE, COPPER.

E. B. Badger & Sons Company, Boston, Mass.
H. Belfield & Co., Philadelphia, Pa.
Hoffman-Ahlers Company, Inc., Cincinnati, Ohio.
Lamb & Ritchie, Cambridgeport, Mass.
Whitlock Coil Pipe Company, Hartford, Conn.

2236—PIPE COVERING.

(See Covering, Boiler and Steam Pipe.)

2237—PIPE, FLANGED.

American Car and Foundry Company, New York.
Crane Company, Chicago, Ill.
Fuller Iron Works, Providence, R. I.
Hoffmann & Billings Manufacturing Company, Milwaukee, Wis.
National Tube Company, Pittsburg, Pa.
John Simmons Company, New York.
Walworth Manufacturing Company, Boston, Mass.
R. D. Wood & Co., Philadelphia, Pa.

2238—PIPE FLANGES.

(See Flanges, Pipe.)

2239—PIPE, FLUE.

(See Flues, Chimney.)

2240—PIPE, LEAD.

Colwell Lead Company, New York.
Fleck Brothers Company, Philadelphia, Pa.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
J. B. Wise, Watertown, N. Y.

2241—PIPE LINE CONSTRUCTION.

Consolidated Pipe Company, Los Angeles, Cal.
Longmead Iron Company, Philadelphia, Pa.
Monongahela Tube Company, Pittsburg, Pa.
Oil Well Supply Company, Pittsburg, Pa.
Petroleum Iron Works Company, Washington, Pa.
South Chester Tube Company, Chester, Pa.
Spang, Chalfant & Co., Inc., Pittsburg, Pa.
United States Engine Company, Parkersburg, W. Va.

2242—PIPE, RIVETED, IRON AND STEEL.

Baker Iron Works, Los Angeles, Cal.
Consolidated Pipe Company, Los Angeles, Cal.
Harrisburg Manufacturing and Boiler Company, Harrisburg, Pa.
L. O. Koven & Brother, New York.
Lacy Manufacturing Company, Los Angeles, Cal.
James Lappan Manufacturing Company, Pittsburg, Pa.
James McNeil & Bro. Company, Pittsburg, Pa.
The Pelton Water Wheel Company, San Francisco, Cal.
Petroleum Iron Works Company, Washington, Pa.
The Reeves Brothers Company, Alliance, Ohio.
The Springfield Bridge and Iron Company, Springfield, Ill.
R. D. Wood & Co., Philadelphia, Pa.

2243—PIPE, SEWER AND DRAIN.

American Sewer Pipe Company, Pittsburg, Pa.
Blackmer & Post Pipe Company, St. Louis, Mo.
N. Clark & Sons, San Francisco, Cal.
Denver Sewer Pipe and Clay Company, Denver, Col.
W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.
Evens & Howard Fire Brick Company, St. Louis, Mo.
Gladding, McBean & Co., San Francisco, Cal.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
Monmouth Mining and Manufacturing Company, Monmouth, Ill.
Montague & Co., Chattanooga, Tenn.
Myers Clay Manufacturing Company, Toronto, Ohio.
Robinson Clay Product Company, Akron, Ohio.
H. Stevens' Sons Company, Macon, Ga.

2244—PIPE, STOVE.

Anchor Stove and Range Company, Inc., Louisville, Ky.
Jackes-Evans Manufacturing Company, St. Louis, Mo.
National Enameling and Stamping Company, New York.

2245—PIPE, TIN (BLOCK).

Colwell Lead Company, New York.
Lamb & Ritchie, Cambridgeport, Mass.

2246—PIPE, WELL CASING.

(See Casing, Well, Clay Pipe.)

2247—PIPE, WOOD.

C. A. Hooper & Co., San Francisco, Cal.
Kalamazoo Tank and Silo Company, Kalamazoo, Mich.

2248—PIPE, WROUGHT IRON AND STEEL.

H. Belfield & Co., Philadelphia, Pa.
Cohoes Rolling Mill Company, Cohoes, N. Y.
Consolidated Pipe Company, Los Angeles, Cal.
Crane Company, Chicago, Ill.
Kelly & Jones Company, New York.
Keystone Driller Company, Beaver Falls, Pa.
Kroeschell Brothers Company, Chicago, Ill.
Longmead Iron Company, Philadelphia, Pa.
Monongahela Tube Company, Pittsburg, Pa.
National Tube Company, Pittsburg, Pa.
John Simmons Company, New York.
South Chester Tube Company, Chester, Pa.
Spang, Chalfant & Co., Inc., Pittsburg, Pa.
The Springfield Bridge and Iron Company, Springfield, Ill.
Walworth Manufacturing Company, Boston, Mass.
Wheeling Steel and Iron Company, Wheeling, W. Va.
The Youngstown Iron Sheet and Tube Company, Youngstown, Ohio.

2249—PISTOLS.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn.
M. Hartley Company, New York.
Smith & Wesson, Springfield, Mass.
J. Stevens Arms and Tool Company, Chicopee Falls, Mass.

2250—PITCH.

Barrett Manufacturing Company, New York.
Philip Carey Manufacturing Company, Lockland, Ohio.
R. McWilliams, Ltd., New Orleans, La.
Warren-Ehret Company, Philadelphia, Pa.

2251—PLANERS, METAL.

Baird Machinery Company, Pittsburg, Pa.
Betts Machine Company, Wilmington, Del.
P. Blaisdell & Co., Worcester, Mass.
Detrick & Harvey Machine Company, Baltimore, Md.
J. G. Duke Machine Works, Memphis, Tenn.
Edwin Harrington, Son & Co., Inc., Philadelphia, Pa.
Hendey Machine Company, Torrington, Conn.
Lodge & Shipley Machine Tool Company, Cincinnati, Ohio.
Manning, Maxwell & Moore, New York.
Morton Manufacturing Company, Muskegon Heights, Mich.
New Haven Manufacturing Company, New Haven, Conn.
Niles-Bement-Pond Company, New York.
Pittsburgh Machine Tool Company, Allegheny, Pa.
F. E. Reed Company, Worcester, Mass.
William Sellers & Co., Inc., Philadelphia, Pa.
H. B. Underwood & Co., Philadelphia, Pa.
Woodward & Powell Planer Company, Worcester, Mass.

2252—PLANERS, STONE.

Birmingham Iron Foundry, Derby, Conn.

2253—PLANERS, WOOD.

American Machinery and Export Company, New York.
American Wood Working Machinery Company, New York.
Baird Machinery Company, Pittsburg, Pa.

2253—PLANERS, WOOD—Continued.

W. F. & John Barnes Company, Rockford, Ill.
The Berlin Machine Works, Beloit, Wis.
Crescent Machine Company, Leetonia, Ohio.
Thos. H. Dallett Company, Philadelphia, Pa.
The Defiance Machine Works, Defiance, Ohio.
De Loach Mill Manufacturing Company, Atlanta, Ga.
J. A. Fay & Egan Company, Cincinnati, Ohio.
The M. Garland Company, Bay City, Mich.
Hall & Brown Wood Working Machine Company, St. Louis, Mo.
Lane Manufacturing Company, Montpelier, Vt.
Manning, Maxwell & Moore, New York.
The New Britain Machine Company, New Britain, Conn.
The Ober Manufacturing Company, Chagrin Falls, Ohio.
John S. Oram, Cleveland, Ohio.
John Royle & Sons, Paterson, N. J.
H. B. Smith Machine Company, Smithville, N. J.
H. N. Strait Manufacturing Company, Kansas City, Kan.
S. A. Woods Machine Company, South Boston, Mass.

2254—PLANES AND PLANE IRONS.

John H. Graham & Co., New York.
Mack & Co., Rochester, N. Y.
Peck, Stow & Wilcox Company, Southington, Conn.
Sandusky Tool Company, Sandusky, Ohio.
Sargent & Co., New York.
Samuel J. Shimer & Sons, Milton, Pa.
Simonds Manufacturing Company, Fitchburg, Mass.
A. A. Simonds & Son Company, Dayton, Ohio.
Standard Tool Company, Cleveland, Ohio.
Stanley Rule and Level Company, New Britain, Conn.
Tower & Lyon Company, New York.
L. & I. J. White Company, Buffalo, N. Y.

2255—PLANTERS, CORN, COTTON, POTATO, ETC.

American Seeding Machine Company, Springfield, Mass.
Aspinwall Manufacturing Company, Jackson, Mich.
Bateman Manufacturing Company, Grenloch, N. J.
Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
David Bradley Manufacturing Company, Bradley, Ill.
Cardwell Machine Company, Richmond, Va.
Deere & Mansur Company, Moline, Ill.
Deere & Webber Company, Minneapolis, Minn.
H. P. Deuscher Company, Hamilton, Ohio.
Emerson Manufacturing Company, Rockford, Ill.
A. B. Farquhar & Co., New York.
Gale Manufacturing Company, Albion, Mich.
Hench, Dromgold & Co., York, Pa.
Keystone Farm Machine Company, York, Pa.
F. E. Kohler & Co., Canton, Ohio.
Moline Plow Company, Moline, Ill.
Racine-Sattley Company, Springfield, Ill.
Rock Island Plow Company, Rock Island, Ill.
D. M. Sechler Carriage Company, Moline, Ill.
D. A. Tompkins Company, Charlotte, N. C.
Wiard Plow Company, Batavia, N. Y.

2256—PLASTER BOARDS.

Atlanta Terra Cotta Company, Atlanta, Ga.
Keystone Plaster Company, Chester, Pa.
The Mackolite Fireproofing Company, Chicago, Ill.
Paragon Plaster and Supply Company, Scranton, Pa.

2257—PLASTER, CALCINED.

Samuel H. French & Co., Philadelphia, Pa.
Keystone Plaster Company, Chester, Pa.
Paragon Plaster and Supply Company, Scranton, Pa.
United States Gypsum Company, Chicago, Ill.

2258—PLASTERS, MEDICINAL.

The G. F. Harvey Company, Saratoga Springs, N. Y.
Johnson & Johnson, New Brunswick, N. J.
Dr. Miles Medical Company, Elkhart, Ind.
Seabury & Johnson, New York.
Swanson Rheumatic Cure Company, Chicago, Ill.
John Wyeth & Brother, Inc., Philadelphia, Pa.

2259—PLATES, BUCKLED.

Glasgow Iron Company, Pottstown, Pa.

2260—PLATES, FASHION.

The Jno. J. Mitchell Company, New York.

2261—PLATES, FELLOE.

Avery Stamping Company, Cleveland, Ohio.
Columbus Bolt Works, Columbus, Ohio.
Eberhard Manufacturing Company, Cleveland, Ohio.
William & Harvey Rowland, Inc., Frankford, Philadelphia, Pa.
J. H. Sessions & Son, Bristol, Conn.
Wilbur Slack, Trenton, N. J.
Upson Nut Company, Cleveland, Ohio.

2262—PLATES, METAL NAME.

The J. F. W. Dorman Company, Baltimore, Md.
Elgin Silver Plate Company, Elgin, Ill.
A. H. Peirce Manufacturing Company, Chicago, Ill.
Torrey Roller Bushing Works, Bath, Me.

2263—PLATES, RACING.

Bryden Horse Shoe Company, Catasauqua, Pa.

2264—PLATES, TERNE.

American Sheet and Tin Plate Company, Pittsburg, Pa.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Merchant & Co., Inc., Philadelphia, Pa.

2265—PLATES, TIN.

American Sheet and Tin Plate Company, Pittsburg, Pa.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Berger Manufacturing Company, Canton, Ohio.
Coe Brass Manufacturing Company, Torrington, Conn.
Colwell Lead Company, New York.
Merchant & Co., Inc., Philadelphia, Pa.

2266—PLATFORMS, CAR.

Gould Coupler Company, New York.
McConway & Torley Company, Pittsburg, Pa.

2267—PLIERS, FENCE.

The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
H. P. Deuscher Company, Hamilton, Ohio.
Lamb Wire Fence Company, Adrian, Mich.
Lansing Wheelbarrow Company, Lansing, Mich.
National Novelty Corporation, New York.

2268—PLOW PARTS.

David Bradley Manufacturing Company, Bradley, Ill.
Eberhard Manufacturing Company, Cleveland, Ohio.
The Empire Plow Company, Cleveland, Ohio.
Hench, Dromgold & Co., York, Pa.
Inland Steel Company, Chicago, Ill.
Rock Island Plow Company, Rock Island, Ill.
Todd Manufacturing Company, New Albany, Ind.
Upson Nut Company, Cleveland, Ohio.

2269—PLOWING ENGINES.

(See Engines, Plowing.)

2270—PLOWS, CONTRACTORS' AND GRADING.

The American Steel Scraper Company, Sidney, Ohio.
David Bradley Manufacturing Company, Bradley, Ill.
Brinly-Hardy Company, Louisville, Ky.
Brown Manufacturing Company, Zanesville, Ohio.
J. I. Case Threshing Machine Company, Racine, Wis.
Climax Road Machine Company, Marathon, N. Y.
Hench, Dromgold & Co., York, Pa.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Sidney Steel Scraper Company, Sidney, Ohio.
South Bend Chilled Plow Company, South Bend, Ind.
Syracuse Chilled Plow Company, Syracuse, N. Y.
Western Wheeled Scraper Company, Aurora, Ill.
Wiard Plow Company, Batavia, N. Y.

2271—PLOWS, GANG.

David Bradley Manufacturing Company, Bradley, Ill.
J. I. Case Threshing Machine Company, Racine, Wis.
Collins Plow Company, Quincy, Ill.
Deere & Co., Moline, Ill.
Deere & Webber Company, Minneapolis, Minn.
Gale Manufacturing Company, Albion, Mich.
Geiser Manufacturing Company, Waynesboro, Pa.
Moline Plow Company, Moline, Ill.
Oliver Chilled Plow Works, South Bend, Ind.
Racine-Sattley Company, Springfield, Ill.
Rock Island Plow Company, Rock Island, Ill.
South Bend Chilled Plow Company, South Bend, Ind.
Syracuse Chilled Plow Company, Syracuse, N. Y.
J. Thompson & Sons Manufacturing Company, Beloit, Wis.

2272—PLOWS, HAND, SULKY, DISC, ETC.

S. L. Allen & Co., Philadelphia, Pa.
Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Benicia Iron Works, Benicia, Cal.
David Bradley Manufacturing Company, Bradley, Ill.
Brinly-Hardy Company, Louisville, Ky.
J. I. Case Plow Works, Racine, Wis.
J. I. Case Threshing Machine Company, Racine, Wis.
Chattanooga Implement and Manufacturing Co., East Chattanooga, Tenn.

2272—PLOWS, HAND, SULKY, DISC, ETC.—Continued.

Chattanooga Plow Company, Chattanooga, Tenn.
Collins & Co., New York.
Collins Plow Company, Quincy, Ill.
Deere & Co., Moline, Ill.
Deere & Mansur Company, Moline, Ill.
Deere & Webber Company, Minneapolis, Minn.
H. P. Deuscher Company, Hamilton, Ohio.
Emerson Manufacturing Company, Rockford, Ill.
The Empire Plow Company, Cleveland, Ohio.
A. B. Farquhar & Co., New York.
Gale Manufacturing Company, Albion, Mich.
Hapgood Plow Company, Alton, Ill.
Hench, Dromgold & Co., York, Pa.
Keystone Farm Machine Company, York, Pa.
Roderick Lean Manufacturing Company, Mansfield, Ohio.
Long & Allstatter Company, Hamilton, Ohio.
Moline Plow Company, Moline, Ill.
The Ohio Cultivator Company, Bellevue, Ohio.
Oliver Chilled Plow Company, South Bend, Ind.
Racine-Sattley Company, Springfield, Ill.
Rock Island Plow Company, Rock Island, Ill.
Sidney Steel Scraper Company, Sidney, Ohio.
South Bend Chilled Plow Company, South Bend, Ind.
Syracuse Chilled Plow Company, Syracuse, N. Y.
J. Thompson & Sons Manufacturing Company, Beloit, Wis.
Vulcan Plow Company, Evansville, Ind.
Wiard Plow Company, Batavia, N. Y.

2273—PLOWS, SNOW.

(See Snow Plows and Sweepers.)

2274—PLOWS, STEAM.

Deere & Co., Moline, Ill.
Deere & Webber Company, Minneapolis, Minn.
Geiser Manufacturing Company, Waynesboro, Pa.

2275—PLUGS, DECK.

The "Long-Arm" System Company, Cleveland, Ohio.
United States Bung Manufacturing Company, Brooklyn, N. Y.

2276—PLUGS, FUSIBLE.

Lunkenheimer Company, Cincinnati, Ohio.

2277—PLUM PUDDINGS.

(See Puddings.)

2278—PLUMBAGO.

(See Graphite.)

2279—PLUMBERS' SUPPLIES.

Armstrong Manufacturing Company, Bridgeport, Conn.
H. Belfield & Co., Philadelphia, Pa.
Bellmark Pottery Company, Trenton, N. J.
Buckeye Iron and Brass Works, Dayton, Ohio.
H. O. Canfield, Bridgeport, Conn.
Clayton & Lambert Manufacturing Company, Detroit, Mich.
Clum & Atkinson, Rochester, N. Y.
Colwell Lead Company, New York.
Crane Company, Chicago, Ill.
Detroit Shipbuilding Company, Detroit, Mich.

2279—PLUMBERS' SUPPLIES—Continued.

Dunham, Carrigan & Hayden Company, San Francisco, Cal.
Eaton, Cole & Burnham Company, New York.
Findeisen & Kropf Manufacturing Company, Chicago, Ill.
Stanley G. Flagg & Co., Philadelphia, Pa.
Fleck Brothers Company, Philadelphia, Pa.
Flint & Walling Manufacturing Company, Kendallville, Ind.
General Fire Extinguisher Company, Providence, R. I.
The Great Western Pottery Company, Kokomo, Ind.
Haines, Jones & Cadbury Company, Philadelphia, Pa.
Hilgartner Marble Company, Baltimore, Md.
Hoffman & Billings Manufacturing Company, Milwaukee, Wis.
Illinois Malleable Iron Company, Chicago, Ill.
Jarecki Manufacturing Company, Erie, Pa.
Kelly & Jones Company, New York.
The Kennedy Valve Manufacturing Company, New York.
J. M. Kohler Sons Company, Sheboygan, Wis.
Landers, Frary & Clark, New Britain, Conn.
Thomas Maddock's Sons Company, Trenton, N. J.
Malleable Iron Fittings Company, Branford, Conn.
Merchant & Co., Inc., Philadelphia, Pa.
Merrell Manufacturing Company, Toledo, Ohio.
The J. L. Mott Iron Works, New York.
H. Mueller Manufacturing Company, Decatur, Ill.
New Departure Manufacturing Company, Bristol, Conn.
The Ohio Brass Company, Mansfield, Ohio.
Ohio Brass and Iron Manufacturing Company, Cleveland, Ohio.
The Charles Parker Company, Meriden, Conn.
The Peck Brothers & Co., New Haven, Conn.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
Pittsburgh Valve, Foundry and Construction Company, Pittsburg, Pa.
William Powell Company, Cincinnati, Ohio.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
The J. Roylance Brass Works, San Francisco, Cal.
J. J. Ryan & Co., Chicago, Ill.
John Simmons Company, New York.
Smith & Anthony Company, Boston, Mass.
Smith & Egge Manufacturing Company, Bridgeport, Conn.
Standard Sanitary Manufacturing Company, Pittsburg, Pa.
Roe Stephens Manufacturing Company, Detroit, Mich.
Street & Kent Manufacturing Company, Chicago, Ill.
A. L. Swett Iron Works, Medina, N. Y.
John Trageser Steam Copper Works, New York.
Trenton Potteries Company, Trenton, N. J.
Walworth Manufacturing Company, Boston, Mass.
Weir & Craig Manufacturing Company, Chicago, Ill.
J. B. Wise, Watertown, N. Y.
L. Wolff Manufacturing Company, Chicago, Ill.

2280—PLUSH, SILK.

Astoria Silk Works, Long Island City, N. Y.
Cheney Brothers, Inc., South Manchester, Conn.
Salt's Textile Manufacturing Company, New York.

2281—POCKET BOOKS, CARD CASES, ETC.

H. D. Beach Company, Coshocton, Ohio.
Brown & Bigelow, St. Paul, Minn.
John Mehl & Co., Jersey City, N. J.
C. F. Rumpp & Sons, Philadelphia, Pa.
Emil Weissbrod & Sons, Greenfield, Mass.

2282—POINTS, GLAZIERS'.

The Anchor Nail and Tack Works, Pittsburg, Pa.

2283—POLES, CARRIAGE.

S. R. Bailey & Co., Amesbury, Mass.
The Pioneer Pole and Shaft Company, Piqua, Ohio.
Schubert Bros. Gear Company, Oneida, N. Y.
Von Behren Manufacturing Company, Evansville, Ind.

2284—POLES, TELEGRAPH.

Francis Beidler & Co., Chicago, Ill.
The Ford River Lumber Company, Wells, Mich.
Girard Lumber Company, Menominee, Mich.
Oliver Iron and Steel Company, Pittsburg, Pa.

2285—POLES, TROLLEY AND ELECTRIC LIGHT.

Illinois Malleable Iron Company, Chicago, Ill.
The J. L. Mott Iron Works, New York.

2236—POLICE EQUIPMENTS.

Tower & Lyon Company, New York.

2287—POLISH, FLOOR.

Adams & Elting Company, Chicago, Ill.
Enterprise Paint Manufacturing Company, Chicago, Ill.
Felton, Sibley & Co., Philadelphia, Pa.
Forest City Paint and Varnish Company, Cleveland, Ohio.
R. McWilliams, Limited, New Orleans, La.
Eugene E. Nice, Philadelphia, Pa.

2288—POLISH, FURNITURE.

Adams & Elting Company, Chicago, Ill.
Bass-Hueter Paint Company, San Francisco, Cal.
Bridgeport Wood Finishing Company, New Milford, Conn.
Forest City Paint and Varnish Company, Cleveland, Ohio.
Hildreth Varnish Company, New York.
John Lucas & Co., Philadelphia, Pa.
R. McWilliams, Limited., New Orleans, La.
Moller & Schumann Company, Brooklyn, N. Y.
Murphy Varnish Company, Newark, N. J.
Eugene E. Nice, Philadelphia, Pa.
O'Brien Varnish Company, South Bend, Ind.
Standard Varnish Works, New York.

2289—POLISH, GLASS.

The Matchless Metal Polish Company, New York.

2290—POLISH, METAL.

Joseph Dixon Crucible Company, Jersey City, N. J.
Hanson & Van Winkle Company, Newark, N. J.
The Matchless Metal Polish Company, New York.
Norton Emery Wheel Company, Worcester, Mass.

2291—POLISH, SHOE.

A. Colburn Company, Philadelphia, Pa.
Frank Miller Company, New York.
Restorff & Bettmann, New York.
Whittemore Brothers & Co., Cambridge, Mass.

2292—PONGEES.

Cheney Brothers, Inc., South Manchester, Conn.

2293—PORCELAIN.

(See Pottery.)

2294—PORK PACKERS.

Armour & Co., Chicago, Ill.
Beech-Nut Packing Company, Canajoharie, N. Y.
The Cudahy Packing Company, New York.
G. H. Hammond Company, Chicago, Ill.
Kingan & Co., Ltd., Indianapolis, Ind.
Libby, McNeil & Libby, Inc., Chicago, Ill.
J. H. Michener & Co., Philadelphia, Pa.
Morris & Company, Chicago, Ill.
St. Louis Dressed Beef and Provision Company, St. Louis, Mo.
T. M. Sinclair & Co., Limited, Cedar Rapids, Iowa.
Swift and Company, Chicago, Ill.
Van Camp Packing Company, Indianapolis, Ind.

2295—PORTER.

(See Stout and Porter.)

2296—PORTHOLES, SHIP.

Thomas Laughlin Company, Portland, Me.
The "Long-Arm" System Company, Cleveland, Ohio.

2297—POST CAPS AND BASES.

W. J. Clark Company, Salem, Ohio.
Hartmann Brothers Manufacturing Company, Mt. Vernon, N. Y.
National Tile Company, Anderson, Ind.
Nordyke & Marmon Company, Indianapolis, Ind.

2298—POST OFFICE EQUIPMENT.

Corbin Cabinet Lock Company, New Britain, Conn.
Hall's Safe Company, Cincinnati, Ohio.
The Miller Lock Company, Philadelphia, Pa.
Yale & Towne Manufacturing Company, New York.

2299—POSTERS.

Julius Bien & Co., New York.
The Calvert Lithographing Company, Detroit, Mich.
Fay Engraving Company, Utica, N. Y.
The Gugler Lithographic Company, Milwaukee, Wis.
Ketterlinus Lithographic Manufacturing Company, Philadelphia, Pa
Strobridge Lithographing Company, Cincinnati, Ohio.
United States Printing Company, Cincinnati, Ohio.

2300—POSTS, STEEL FENCE, INDICATOR, ETC.

Avery Stamping Company, Cleveland, Ohio.
Covert Manufacturing Company, West Troy, N. Y.
Herron Pump and Foundry Company, Chattanooga, Tenn.
Republic Iron and Steel Company, Chicago, Ill.
A. L. Swett Iron Works, Medina, N. Y.
The Van Dorn Iron Works Company, Cleveland, Ohio.

2301—POTASH.

Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

2302—POTASSIUM BICHROMATE.

Anatron Chemical Company, New York.
Franklin H. Kalbfleisch Company, New York.

2303—POTASSIUM BROMIDE AND IODIDE.

Mallinckrodt Chemical Works, St. Louis, Mo.
Rosengarten & Sons, Inc., Philadelphia, Pa.

2304—POTASSIUM CYANIDE.

Hanson & Van Winkle Company, Newark, N. J.
Franklin H. Kalbfleisch Company, New York.
Roessler & Hasslacher Chemical Company, New York.

2305—POTATO DIGGERS.

S. L. Allen & Co., Philadelphia, Pa.
Aspinwall Manufacturing Company, Jackson, Mich.
Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
The Hoover-Prout Company, Avery, Ohio.
F. E. Kohler & Co., Canton, Ohio.
Rock Island Plow Company, Rock Island, Ill.

2306—POTATO SORTERS.

(See Sorters, Potato.)

2307—POTS, FLOWER, CHIMNEY, ETC.

W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.
Evens & Howard Fire Brick Company, St. Louis, Mo.
Gladding, McBean & Co., San Francisco, Cal.
Robinson Clay Product Company, Akron, Ohio.

2308—POTTERY.

American China Company, Toronto, Ohio.
Cook Pottery Company, Trenton, N. J.
The East Liverpool Potteries Company, East Liverpool, Ohio.
Gladding, McBean & Co., San Francisco, Cal.
The Great Western Pottery Company, Kokomo, Ind.
The Harker Pottery Company, East Liverpool, Ohio.
The Knowles, Taylor & Knowles Company, East Liverpool, Ohio.
The Homer Laughlin China Company, East Liverpool, Ohio.
The Mayer Pottery Company, Ltd., Beaver Falls, Pa.
The J. L. Mott Iron Works, New York.
Myers Clay Manufacturing Company, Toronto, Ohio.
The Onondaga Pottery Company, Syracuse, N. Y.
The J. B. Owens Pottery Company, Zanesville, Ohio.
Robinson Clay Product Company, Akron, Ohio.
The Roseville Pottery Company, Zanesville, Ohio.
Sebring Pottery Company, Sebring, Ohio.
The Sevres China Company, East Liverpool, Ohio.
The Standard Pottery Company, East Liverpool, Ohio.
The Steubenville Pottery Company, Steubenville, Ohio.
Trenton Potteries Company, Trenton, N. J.
The Wheeling Potteries Company, Wheeling, W. Va.

2309—POTTERY, ART.

(See Art Goods, Ceramic.)

2310—POTTERY, ELECTRICAL.

Cook Pottery Company, Trenton, N. J.
Pass & Seymour, Inc., Solvay, N. Y.
Peru Electric Manufacturing Company, Peru, Ind.

2311—POULTRY HOUSES AND SUPPLIES.

A. Buch's Sons Company, Elizabethtown, Pa.
Humphrey & Sons, Joliet, Ill.

2312—POWDER, BAKING.

A. Colburn Company, Philadelphia, Pa.
Dodson-Braun Manufacturing Company, St. Louis, Mo.
E. C. Hazard & Co., NewYork.
The Sea Gulf Specialty Company, Baltimore, Md.
Tone Brothers, Des Moines, Iowa.

2313—POWDER, BLASTING AND SPORTING.

(See Gunpowder.)

2314—POWDER, BLEACHING.

Franklin H. Kalbfleisch Company, New York.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

2315—POWDERS, POLISHING.

Hamilll & Gillespie, New York.
Hanson & Van Winkle Company, Newark, N. J.
The Matchless Metal Polish Company, New York.

2316—POWDER, SMOKELESS.

Austin Powder Company, Cleveland, Ohio.
California Powder Works, San Francisco, Cal.
Laflin & Rand Powder Company, New York.

2317—POWDERS, TOILET AND TOOTH.

Hall & Ruckel, New York.
Larkin Co., Buffalo, N. Y.
Lazell, Dalley & Co., New York.
S. S. White Dental Manufacturing Company, Philadelphia, Pa.

2318—POWER COMPANIES, ELECTRIC.

New Orleans Railway Company, New Orleans, La.
The Niagara Falls Power Company, Niagara Falls, N. Y.
Seattle Electric Company, Seattle, Wash.
Utah Light and Railway Company, Salt Lake City, Utah.
The Washington Water Power Company, Spokane, Wash.

2319—PRESERVATIVES, BRICK AND WOOD.

Samuel Cabot, Boston, Mass.
The Paraffine Paint Company, San Francisco, Cal.
The Standard Paint Company, New York.

2320—PRESERVATIVES, MEAT.

The Preservaline Manufacturing Company, New York.

2321—PRESERVES, JAMS AND JELLIES.

The American Preserve Company, Philadelphia, Pa.
Beech-Nut Packing Company, Canajoharie, N. Y.
John Boyle Company, Baltimore, Md.
California Fruit Canners' Association, San Francisco, Cal.
Curtice Bros. Company, Rochester, N. Y.
Dodson-Braun Manufacturing Company, St. Louis, Mo.
H. J. Heinz Company, Pittsburg, Pa.
Francis H. Leggett & Co., New York.
Liquid Carbonic Company, Chicago, Ill.
Merrell-Soule Company, Syracuse, N. Y.
The Welch Grape Juice Company, Westfield, N. Y.
Williams Brothers Company, Detroit, Mich.

2322—PRESS BOARDS.

C. F. Crehore & Son, Boston, Mass.

2323—PRESS CLOTH.

(See Burlap.)

2324—PRESSES, ARBOR.

W. F. & John Barnes Company, Rockford, Ill.
Manning, Maxwell & Moore, New York.

2325—PRESSES, BALING.

Boomer & Boschert Press Company, Syracuse, N. Y.
David Bradley Manufacturing Company, Bradley, Ill.
Cardwell Machine Company, Richmond, Va.
Chickasaw Iron Works, Memphis, Ten.
Collins Plow Company, Quincy, Ill.
Continental Gin Company, Inc., Birmingham, Ala.
Thomas Fordyce Manufacturing Company, Little Rock, Ark.
Gullett Gin Company, Amite, La.
D. A. Tompkins Company, Charlotte, N. C.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.

2326—PRESSES, CAR WHEEL.

Manning, Maxwell & Moore, New York.
Niles-Bement-Pond Company, New York.
William Sellers & Co., Inc., Philadelphia, Pa.
Watson-Stillman Company, New York.
R. D. Wood & Co., Philadelphia, Pa.

2327—PRESSES, COTTON.

Boomer & Boschert Press Company, Syracuse, N. Y.
Cardwell Machine Company, Richmond, Va.
Chickasaw Iron Works, Memphis, Tenn.
Continental Gin Company, Inc., Birmingham, Ala.
Thomas Fordyce Manufacturing Company, Little Rock, Ark.
Gullett Gin Company, Amite, La.
D. A. Tompkins Company, Charlotte, N. C.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.

2328—PRESSES, DIE.

Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
Blake & Johnson, Waterbury, Conn.
Ferracute Machine Company, Bridgeton, N. J.
Houchin & Huber, Brooklyn, N. Y.
Howard Iron Works, Buffalo, N. Y.
John Loyd Company, New York.
Manning, Maxwell & Moore, New York.
National Machinery Company, Tiffin, Ohio.
Niagara Machine and Tool Works, Buffalo, N. Y.
The A. H. Nilson Machine Company, Bridgeport, Conn.
The Seybold Machine Company, Dayton, Ohio.
F. B. Shuster Company, New Haven, Conn.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

2329—PRESSES, DRILL.

The Garvin Machine Company, New York.
Gould & Eberhardt, Newark, N. J.
William E. Hill & Co., Kalamazoo, Mich.
Long & Allstatter Company, Hamilton, Ohio.
The Sigourney Tool Company, Hartford, Conn.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

2330—PRESSES, EMBOSSING.

Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
Cyrus Currier & Sons, Newark, N. J.
Ferracute Machine Company, Bridgeton, N. J.
Niagara Machine and Tool Works, Buffalo, N. Y.
The A. H. Nilson Machine Company, Bridgeport, Conn.
John Robertson & Co., Brooklyn, N. Y.
The Seybold Machine Company, Dayton, Ohio.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

2331—PRESSES, FILTER.

Buffalo Forge Company, Buffalo, N. Y.
Farrel Foundry and Machine Company, Ansonia, Conn.
Guild & Garrison, Brooklyn, N. Y.
The Platt Iron Works Company, Dayton, Ohio.
T. Shriver & Co., New York.

2332—PRESSES, FOOT.

Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
Blake & Johnson, Waterbury, Conn.
Ferracute Machine Company, Bridgeton, N. J.
Hersey Manufacturing Company, South Boston, Mass.
John Loyd Company, New York.
Manning, Maxwell & Moore, New York.
Niagara Machine and Tool Works, Buffalo, N. Y.
The A. H. Nilson Machine Company, Bridgeport, Conn.
F. B. Shuster Company, New Haven, Conn.
Standard Rivet Company, Boston, Mass.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

2333—PRESSES, FRUIT, WINE AND JELLY.

Boomer & Boschert Press Company, Syracuse, N. Y.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.
Hench, Dromgold & Co., York, Pa.
Keystone Farm Machine Co., York, Pa.
National Novelty Corporation, New York.
William Vogel & Brothers, Brooklyn, N. Y.

2334—PRESSES, HAY BALING.

David Bradley Manufacturing Company, Bradley, Ill.
Chattanooga Implement and Manufacturing Co., East Chattanooga, Tenn.
Collins Plow Company, Quincy, Ill.
De Loach Mill Manufacturing Company, Atlanta, Ga.
A. B. Farquhar & Co., New York.
The Ohio Cultivator Company, Bellevue, Ohio.
Parsons Band Cutter and Self-Feeder Company, Newton, Iowa.
Port Huron Engine and Thresher Company, Port Huron, Mich.
Sandwich Manufacturing Company, Sandwich, Ill.
H. N. Strait Manufacturing Company, Kansas City, Kan.

2335—PRESSES, HYDRAULIC.

Boomer & Boschert Press Company, Syracuse, N. Y.
Brecht B. S. Co., St. Louis, Mo.
H. W. Butterworth & Sons Company, Philadelphia, Pa.
Cardwell Machine Company, Richmond, Va.
The Confectioners' Machinery and Manufacturing Co., Springfield, Mass.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Cyrus Currier & Sons, Newark, N. J.
Fischer Foundry and Machine Company, Pittsburg, Pa.

2335—PRESSES, HYDRAULIC—Continued.

Great Lakes Engineering Works, Detroit, Mich.
Gullett Gin Company, Amite, La.
Manning, Maxwell & Moore, New York.
Niles-Bement-Pond Company, New York.
The Platt Iron Works Company, Dayton, Ohio.
John Robertson & Co., Brooklyn, N. Y.
William Sellers & Co., Inc., Philadelphia, Pa.
T. Shriver & Co., New York.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Watson-Stillman Company, New York.
Williams, White & Co., Moline, Ill.
R. D. Wood & Co., Philadelphia, Pa.

2336—PRESSES, LARD.

Boomer & Boschert Press Company, Syracuse, N. Y.
Brecht B. S. Co., St. Louis, Mo.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.
Bernard Gloekler, Pittsburg, Pa.
Lansing Wheelbarrow Company, Lansing, Mich.
National Novelty Corporation, New York.
Silver Manufacturing Company, Salem, Ohio.

2337—PRESSES, LETTER COPYING.

H. P. Deuscher Company, Hamilton, Ohio.
Fairbanks Company, New York.
Howe Scale Company, Boston, Mass.
T. Shriver & Co., New York.
The Samuel C. Tatum Company, Cincinnati, Ohio.

2338—PRESSES, LITHOGRAPHIC.

Potter Printing Press Company, Plainfield, N. J.
The Seybold Machine Company, Dayton, Ohio.

2339—PRESSES, MACARONI.

The I. & E. Greenwald Company, Cincinnati, Ohio.
Werner & Pfleiderer, Saginaw, Mich.

2340—PRESSES, MEAT.

Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.

2341—PRESSES, OIL.

Boomer & Boschert Press Company, Syracuse, N. Y.
Brecht B. S. Co., St. Louis, Mo.
Buckeye Iron and Brass Works, Dayton, Ohio.
W. P. Callahan & Co., Dayton, Ohio.
The Cardwell Machine Company, Richmond, Va.
Lombard Iron Works and Supply Company, Augusta, Ga.
The Platt Iron Works Company, Dayton, Ohio.
D. A. Tompkins Company, Charlotte, N. C.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.

2342—PRESSES, POWER.

Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
Billings & Spencer Company, Hartford, Conn.
Blake & Johnson, Waterbury, Conn.
Boomer & Boschert Press Company, Syracuse, N. Y.
David Bradley Manufacturing Company, Bradley, Ill.
The Cardwell Machine Company, Richmond, Va.
Collins Plow Company, Quincy, Ill.

2342—PRESSES, POWER—Continued.

Coulter & McKenzie Machine Company, Bridgeport, Conn.
Hersey Manufacturing Company, South Boston, Mass.
Manning, Maxwell & Moore, New York.
Port Huron Engine and Thresher Company, Port Huron, Mich.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

2343—PRESSES, PRINTING.

Axelson Machine Company, Los Angeles, Cal.
Babcock Printing Press Manufacturing Company, New York.
Barnhart Bros. & Spindler, Chicago, Ill.
Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
The Challenge Machinery Company, Grand Haven, Mich.
Chandler & Price Company, Cleveland, Ohio.
C. B. Cottrell & Sons Company, New York.
The J. F. W. Dorman Company, Baltimore, Md.
Golding Manufacturing Company, Boston, Mass.
Potter Printing Press Company, Plainfield, N. J.
The Seybold Machine Company, Dayton, Ohio.
Van Allens & Boughton, New York.

2344—PRESSES, PUNCHING.

(See Punches, Power.)

2345—PRESSES, SOAP.

Hersey Manufacturing Company, South Boston, Mass.
Houchin & Huber, Brooklyn, N. Y.

2346—PRESSES, STAMPING AND FORMING.

Blake & Johnson, Waterbury, Conn.
Ferracute Machine Company, Bridgeton, N. J.
Long & Allstatter Company, Hamilton, Ohio.
Manning, Maxwell & Moore, New York.
National Machinery Company, Tiffin, Ohio.
Niagara Machine and Tool Works, Buffalo, N. Y.
The A. H. Nilson Machine Company, Bridgeport, Conn.
John Robertson & Co., Brooklyn, N. Y.
J. M. Robinson Manufacturing Company, Cincinnati, Ohio.
F. B. Shuster Company, New Haven, Conn.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

2347—PRESSES, STEEL PLATE PRINTING.

Cyrus Currier & Sons, Newark, N. J.
Gould & Eberhardt, Newark, N. J.

2348—PRESSES, TALLOW.

Boomer & Boschert Press Company, Syracuse, N. Y.
Brecht B. S. Co., St. Louis, Mo.
Houchin & Huber, Brooklyn, N. Y.
Silver Manufacturing Company, Salem, Ohio.

2349—PRESSES, VULCANIZING.

(See Vulcanizers, Rubber.)

2350—PRESSES, WHEEL.

William Sellers & Co., Inc., Philadelphia, Pa.
R. D. Wood & Co., Philadelphia, Pa.

2351—PRINTERS.

American Lithographic Company, New York.
A. R. Barnes & Co., Chicago, Ill.

2351—PRINTERS—Continued.

Binner-Wells Company, Chicago, Ill.
Brown & Bigelow, St. Paul, Minn.
William B. Burford, Indianapolis, Ind.
Buxton & Skinner Stationery Company, St. Louis, Mo.
The Calvert Lithographing Company, Detroit, Mich.
W. B. Conkey Company, Chicago, Ill.
Courier Journal Job Printing Company, Louisville, Ky.
R. R. Donnelley Sons Company, Chicago, Ill.
Eichbaum Company, Pittsburg, Pa.
Evening Wisconsin Company, Printing Department, Milwaukee, Wis.
Grand Rapids Engraving Company, Grand Rapids, Mich.
Gregory, Mayer & Thom Company, Detroit, Mich.
The Henneberry Company, Chicago, Ill.
Hill Publishing Company, New York.
Franklin Hudson Publishing Company, Kansas City, Mo.
William G. Johnston & Co., Pittsburg, Pa.
William Mann Company, Philadelphia, Pa.
Marshall & Bruce Company, Nashville, Tenn.
A. B. Morse Company, St. Joseph, Mich.
Norris Peters Company, Washington, D. C.
F. C. Nunemacher, Louisville, Ky.
Pittsburgh Printing Company, Pittsburg, Pa.
Rand, McNally & Co., Chicago, Ill.
The Republican Publishing Company, Hamilton, Ohio.
The Richmond & Backus Company, Detroit, Mich.
Riverside Printing Company, Milwaukee, Wis.
The Scharf Tag, Label and Box Company, Ypsilanti, Mich.
Seemann, Peters & Heim, Saginaw, Mich.
Shea Smith & Co., Chicago, Ill.
Thornton-Levey Company, Indianapolis, Ind.
United States Printing Company, Cincinnati, Ohio.
The University Press, Cambridge, Mass.
The Thomas J. Walton Printing Company, Salem, Ohio.
Woodward & Tiernan Printing Company, St. Louis, Mo.

2352—PRINTERS, COTTON CLOTH.

The Aspinook Company, Jewett City, Conn.
J. L. Stifel & Sons, Wheeling, W. Va.
United States Finishing Company, New York.

2353—PRINTERS, LITHOGRAPHIC COLOR.

American Lithographic Company, New York.
Julius Bien & Co., New York.
Brown & Bigelow, St. Paul, Minn.
William B. Burford, Indianapolis, Ind.
Buxter & Skinner Stationery Company, St. Louis, Mo.
The Calvert Lithographing Company, Detroit, Mich.
Courier Journal Job Printing Company, Louisville, Ky.
R. R. Donnelley Sons Company, Chicago, Ill.
The Gugler Lithographic Company, Milwaukee, Wis.
The Henderson Lithographing Company, Cincinnati, Ohio.
Franklin Hudson Publishing Company, Kansas City, Mo.
Ketterlinus Lithographic Manufacturing Company, Philadelphia, Pa.
William Mann Company, Philadelphia, Pa.
Norris Peters Company, Washington, D. C.
Rand, McNally & Co., Chicago, Ill.
Riverside Printing Company, Milwaukee, Wis.
Strobridge Lithographing Company, Cincinnati, Ohio.

2353—PRINTERS, LITHOGRAPHIC COLOR—Continued.
Thornton-Levey Company, Indianapolis, Ind.
United States Printing Company, Cincinnati, Ohio.
The Thomas J. Walton Printing Company, Salem, Ohio.
Woodward & Tiernan Printing Company, St. Louis, Mo.

2354—PRINTERS' SUPPLIES.

American Type Founders' Company, Jersey City, N. J.
Barnhart Bros. & Spindler, Chicago, Ill.
Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
The Challenge Machinery Company, Grand Haven, Mich.
C. F. Crehore & Son, Boston, Mass.
Golding Manufacturing Company, Boston, Mass.
The Hamilton Manufacturing Company, Two Rivers, Wis.
Keystone Type Foundry, Philadelphia, Pa.
Merchant & Co., Inc., Philadelphia, Pa.
Mergenthaler Linotype Company, New York.
Parsons Brothers, New York.
Potter Printing Press Company, Plainfield, N. J.
Standard Paper Manufacturing Company, Richmond, Va.
The Samuel C. Tatum Company, Cincinnati, Ohio.

2355—PRINTS, COLOR.

Fay Engraving Company, Utica, N. Y.
The Reuhl Moulding Manufacturing Company, Cincinnati, Ohio.

2356—PRINTS, COTTON.

(See Cotton Prints.)

2357—PRINTS, SILK.

Arnold Print Works, North Adams, Mass.
Cheney Brothers, Inc., South Manchester, Conn.
The Doherty & Wadsworth Company, Paterson, N. J.

2358—PRINTS, WOOL.

Arnold Print Works, North Adams, Mass.

2359—PROJECTILES, ARMOR PIERCING.

Bethlehem Steel Company, South Bethlehem, Pa.
Firth-Sterling Steel Company, McKeesport, Pa.
Midvale Steel Company, Philadelphia, Pa.

2360—PROPELLERS.

E. J. Codd Company, Baltimore, Md.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Paul S. Reeves & Son, Philadelphia, Pa.
T. Shriver & Co., New York.
John E. Thropp's Sons Co., Trenton, N. J.

2361—PUBLISHERS.

William B. Burford, Indianapolis, Ind.
The Cassier Magazine Company, New York.
J. Shepherd Clark Company, New York.
W. B. Conkey Company, Chicago, Ill.
The Crowell Publishing Company, Springfield, Ohio.
R. R. Donnelley Sons Company, Chicago, Ill.
The Henneberry Company, Chicago, Ill.
Hill Publishing Company, New York.
Franklin Hudson Publishing Company, Kansas City, Mo.
McGraw Publishing Company, New York.
Manufacturers' Record Publishing Company, Baltimore, Md.

2361—PUBLISHERS—Continued.

The Jno. J. Mitchell Company, New York.
Rand, McNally & Co., Chicago, Ill.
The Ransom & Randolph Company, Toledo, Ohio.
Trade News Publishing Company, New York.
The Werner Company, Akron, Ohio.
West Publishing Company, St. Paul, Minn.
Woodward & Tiernan Printing Company, St. Louis, Mo.

2362—PUDDINGS.

Curtice Bros. Company, Rochester, N. Y.
Merrell-Soule Company, Syracuse, N. Y.

2363—PULLEYS, CAST IRON.

Allis-Chalmers Company, Chicago, Ill.
American Tool and Machine Company, Boston, Mass.
Bates Machine Company, Joliet, Ill.
Blymyer Iron Works Company, Cincinnati, Ohio.
Charles Bond, Philadelphia, Pa.
The A. & F. Brown Company, New York.
Caird & Hawksworth, Helena, Mont.
W. E. Caldwell Company, Louisville, Ky.
Chickasaw Iron Works, Memphis, Tenn.
George V. Cresson Company, Philadelphia, Pa.
The Defiance Machine Works, Defiance, Ohio.
Dodge Manufacturing Company, Mishawaka, Ind.
Farrel Foundry and Machine Company, Ansonia, Conn.
Filer & Stowell Company, Milwaukee, Wis.
The Flynn & Emrich Company, Baltimore, Md.
Fulton Engine Works, Los Angeles, Cal.
Goldens' Foundry and Machine Company, Columbus, Ga.
The I. & E. Greenwald Company, Cincinnati, Ohio.
Hill Clutch Company, Cleveland, Ohio.
Howard Iron Works, Buffalo, N. Y.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Lane Manufacturing Company, Montpelier, Vt.
Lane & Bodley Company, Cincinnati, Ohio.
James Leffel & Co., Springfield, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
Lombard Iron Works and Supply Company, Augusta, Ga.
Manning, Maxwell & Moore, New York.
Medart Patent Pulley Company, St. Louis, Mo.
Meese & Gottfried Company, San Francisco, Cal.
The Meisel Manufacturing Company, Port Huron, Mich.
Minneapolis Steel and Machinery Company, Minneapolis, Minn.
Munson Bros. Company, Utica, N. Y.
F. E. Myers & Bro., Ashland, Ohio.
National Iron Company, West Duluth, Minn.
Nordyke & Marmon Company, Indianapolis, Ind.
The Platt Iron Works Company, Dayton, Ohio.
Richmond City Mill Works, Richmond, Ind.
T. Shriver & Co., New York.
H. B. Smith Machine Company, Smithville, N. J.
Sprout, Waldron & Co., Muncy, Pa.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
H. N. Strait Manufacturing Company, Kansas City, Kan.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

2363—PULLEYS, CAST IRON—Continued.

Wheland Machine Works, Chattanooga, Tenn.
Willamette Iron and Steel Works, Portland, Ore.
The Wolf Company, Chambersburg, Pa.
T. B. Wood's Sons, Chambersburg, Pa.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.

2364—PULLEYS, FRICTION.

The A. & F. Brown Company, New York.
Capital Gas Engine Company, Indianapolis, Ind.
Dodge Manufacturing Company, Mishawaka, Ind.
Hill Clutch Company, Cleveland, Ohio.
Lane Manufacturing Company, Montpelier, Vt.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
Minneapolis Steel and Machinery Company, Minneapolis, Minn.
Moore & White Company, Philadelphia, Pa.
New Haven Manufacturing Company, New Haven, Conn.
Nordyke & Marmon Company, Indianapolis, Ind.
Reeves Pulley Company, Columbus, Ind.
The Rockwood Manufacturing Company, Indianapolis, Ind.
The Sinclair Scott Company, Baltimore, Md.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
H. N. Strait Manufacturing Company, Kansas City, Kan.

2365—PULLEYS, IRON, SPLIT.

Barnard Manufacturing Company, Spokane, Wash.
George V. Cresson Company, Philadelphia, Pa.
Dodge Manufacturing Company, Mishawaka, Ind.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Nordyke & Marmon Company, Indianapolis, Ind.

2366—PULLEYS, IRON, WOOD-RIM.

Dodge Manufacturing Company, Mishawaka, Ind.
Medart Patent Pulley Company, St. Louis, Mo.
Reeves Pulley Company, Columbus, Ind.

2367—PULLEYS, PAPER.

The Rockwood Manufacturing Company, Indianapolis, Ind.

2368—PULLEYS, SASH.

P. & F. Corbin, New Britain, Conn.
Sargent & Co., New York.
Stover Manufacturing Company, Freeport, Ill.
Wilcox, Crittenden & Co., Middletown, Conn.
Wrightsville Hardware Company, Wrightsville, Pa.

2369—PULLEYS, SHEAVE.

(See Sheaves, Tackle Block.)

2370—PULLEYS, STEEL (ALL WROUGHT).

American Pulley Company, Philadelphia, Pa.

2371—PULLEYS, STEEL FACE.

A. Leschen & Sons Rope Company, St. Louis, Mo.
Medart Patent Pulley Company, St. Louis, Mo.

2372—PULLEYS, STEEL, PRESSED.

Philips' Pressed Steel Pulley Works, Philadelphia, Pa.

2373—PULLEYS, WOOD, SPLIT.

Barnard Manufacturing Company, Spokane, Wash.
Bradford Belting Company, Cincinnati, Ohio.
Dodge Manufacturing Company, Mishawaka, Ind.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Medart Patent Pulley Company, St. Louis, Mo.
Munson Bros. Company, Utica, N. Y.
National Iron Company, West Duluth, Minn.
The Ohio Valley Pulley Works, Inc., Maysville, Ky.
Reeves Pulley Company, Columbus, Ind.
Saginaw Manufacturing Company, Saginaw, Mich.

2374—PULLS, DOOR.

Brass Goods Manufacturing Company, Brooklyn, N. Y.
Columbian Hardware Company, Cleveland, Ohio.
F. E. Kohler & Co., Canton, Ohio.
National Novelty Corporation, New York.
Sargent & Co., New York.
Stover Manufacturing Company, Freeport, Ill.

2375—PULLS, DRAWER.

Brass Goods Manufacturing Company, Brooklyn, N. Y.
Columbian Hardware Company, Cleveland, Ohio.
P. & F. Corbin, New Britain, Conn.
Dayton Manufacturing Company, Dayton, Ohio.
Grand Rapids Brass Company, Grand Rapids, Mich.
Griffin Manufacturing Company, Erie, Pa.
Piqua Handle and Manufacturing Company, Piqua, Ohio.
The Plume & Atwood Manufacturing Company, New York.
Sargent & Co., New York.
Stover Manufacturing Company, Freeport, Ill.
Wrightsville Hardware Company, Wrightsville, Pa.

2376—PULP WOOD (CHEMICAL).

Burgess Sulphite Fibre Company, Boston, Mass.
Fort Miller Pulp and Paper Company, Fort Miller, N. Y.
The C. W. Howard Company, Menasha, Wis.
Penobscot Chemical Fibre Company, Boston, Mass.
Remington Martin Company, Watertown, N. Y.
The Russell Company, Boston, Mass.
West Virginia Pulp and Paper Company, New York.

2377—PULP WOOD (GROUND).

Fort Miller Pulp and Paper Company, Fort Miller, N. Y.
Pettebone-Cataract Paper Company, Niagara Falls, N. Y.
Remington Martin Company, Watertown, N. Y.
Riverside Fibre and Paper Company, Appleton, Wis.
The Russell Company, Boston, Mass.

2378—PULPERS, COFFEE.

Blymyer Iron Works Company, Cincinnati, Ohio.
Buffalo Forge Company, Buffalo, N. Y.

2379—PULPITS.

The A. H. Andrews Company, Chicago, Ill.
New Jersey School-Church Furniture Company, Trenton, N. J.
Retting Furniture Company, Grand Rapids, Mich.

2380—PUMICE STONE.

(See Stone, Pumice, Rotten, etc.)

2381—PUMP CYLINDERS.

Baker Manufacturing Company, Evansville, Ind.
Deming Company, Salem, Ohio.
The Dimmick Pipe Company, Birmingham, Ala.
Flint & Walling Manufacturing Company, Kendallville, Ind.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
F. E. Myers & Bro., Ashland, Ohio.
Weir & Craig Manufacturing Company, Chicago, Ill.

2382—PUMP PARTS.

Axelson Machine Company, Los Angeles, Cal.
Baker Manufacturing Company, Evansville, Wis.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Company, Salem, Ohio.
Field Force Pump Company, Elmira, N. Y.
Flint & Walling Manufacturing Company, Kendallville, Ind.
The Gardner Governor Company, Quincy, Ill.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
August Mietz, New York.
F. E. Myers & Bro., Ashland, Ohio.
The C. Pardee Works, Perth Amboy, N. J.
Piqua Handle and Manufacturing Company, Piqua, Ohio.
John Robertson & Co., Brooklyn, N. Y.
Union Drawn Steel Company, Beaver Falls, Pa.
Union Steam Pump Company, Battle Creek, Mich.
Wilson, Snyder Manufacturing Company, Pittsburg, Pa.

2383—PUMP SUPPLIES.

Boyts, Porter & Co., Connellsville, Pa.
Detroit Oak Belting Company, Detroit, Mich.
Fairbanks, Morse & Co., Chicago, Ill.
Field Force Pump Company, Elmira, N. Y.
Flint & Walling Manufacturing Company, Kendallville, Ind.
Florence Pump and Lumber Company, Memphis, Tenn.
B. F. Goodrich Company, Akron, Ohio.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
Jarecki Manufacturing Company, Erie, Pa.
Kelly & Jones Company, New York.
The Kennedy Valve Manufacturing Company, New York.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Page Belting Company, Concord, N. H.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Quaker City Rubber Company, Philadelphia, Pa.
Revere Rubber Company, Boston, Mass.
Charles A. Schieren & Co., New York.
Wilson, Snyder Manufacturing Company, Pittsburg, Pa.

2384—PUMPS, AIR.

American Steam Pump Company, Battle Creek, Mich.
Bishop & Babcock Company, Cleveland, Ohio.
A. S. Cameron Steam Pump Works, New York.
M. T. Davidson, Brooklyn, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Epping-Carpenter Company, Pittsburg, Pa.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Guild & Garrison, Brooklyn, N. Y.
Hall Steam Pump Company, Allegheny, Pa.
Johnson Service Company, Milwaukee, Wis.
Practical Gas Construction Company, North Chicago, Ill.
Union Steam Pump Company, Battle Creek, Mich.

2385—PUMPS, ARTESIAN.

Baker Manufacturing Company, Evansville, Wis.
A. S. Cameron Steam Pump Works, New York.
Deming Company, Salem, Ohio.
Epping-Carpenter Company, Pittsburg, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Fulton Engine Works, Los Angeles, Cal.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Oil Well Supply Company, Pittsburg, Pa.
Rand Drill Company, New York.
Rider-Ericsson Engine Company, New York.
Union Steam Pump Company, Battle Creek, Mich.

2386—PUMPS, AUTOMOBILE.

American Steam Pump Company, Battle Creek, Mich.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
The Snider Hughes Company, Cleveland, Ohio.
Union Steam Pump Company, Battle Creek, Mich.
Waterloo Motor Works, Waterloo, Iowa.

2387—PUMPS, BEER.

Bishop & Babcock Company, Cleveland, Ohio.
Epping-Carpenter Company, Pittsburg, Pa.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Johnson Service Company, Milwaukee, Wis.
The Joseph Schneible Company, New York.
The Snider Hughes Company, Cleveland, Ohio.
Union Steam Pump Company, Battle Creek, Mich.
United States Bung Manufacturing Company, Brooklyn, N. Y.

2388—PUMPS, BICYCLE.

Bridgeport Brass Company, Bridgeport, Conn.
The Goulds Manufacturing Company, Seneca Falls, N. Y.

2389—PUMPS, BOILER FEED.

American Injector Company, Detroit, Mich.
American Steam Pump Company, Battle Creek, Mich.
Boyts, Porter & Co., Connellsville, Pa.
Buffalo Forge Company, Buffalo, N. Y.
A. S. Cameron Steam Pump Works, New York.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Deming Company, Salem, Ohio.
Epping-Carpenter Company, Pittsburg, Pa.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Johnson Service Company, Milwaukee, Wis.
Kelly Foundry and Machine Company, Goshen, Ind.
The Platt Iron Works Company, Dayton, Ohio.
The Snider Hughes Company, Cleveland, Ohio.
Union Steam Pump Company, Battle Creek, Mich.

2390—PUMPS, CENTRIFUGAL.

The Bagley & Sewall Company, Watertown, N. Y.
Baker Manufacturing Company, Evansville, Wis.
Boland & Gschwind Company, New Orleans, La.
The Bucyrus Company, South Milwaukee, Wis.
Buffalo Forge Company, Buffalo, N. Y.
W. T. Garratt & Co., San Francisco, Cal.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Jeanesville Iron Works Company, Hazleton, Pa.

2390—PUMPS, CENTRIFUGAL—Continued.

August Mietz, New York.
Morris Machine Works, Baldwinsville, N. Y.
Southwark Foundry and Machine Company, Philadelphia, Pa.
R. D. Wood & Co., Philadelphia, Pa.

2391—PUMPS, CHAIN.

Florence Pump and Lumber Company, Memphis, Tenn.

2392—PUMPS, DEEP WELL.

American Steam Pump Company, Battle Creek, Mich.
Boyts, Porter & Co., Connellsville, Pa.
A. S. Cameron Steam Pump Works, New York.
Deming Company, Salem, Ohio.
Epping-Carpenter Company, Pittsburg, Pa.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Jeanesville Iron Works Company, Hazleton, Pa.
Mast, Foos & Co., Springfield, Ohio.
August Mietz, New York.
Rider-Ericsson Engine Company, New York.
Union Steam Pump Company, Battle Creek, Mich.
Waterloo Motor Works, Waterloo, Iowa.

2393—PUMPS, DIAPHRAGM.

Boston and Lockport Block Company, Boston, Mass.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Hersey Manufacturing Company, South Boston, Mass.
Thomas Laughlin Company, Portland, Me.

2394—PUMPS, ELECTRIC.

Boyts, Porter & Co., Connellsville, Pa.
Buffalo Forge Company, Buffalo, N. Y.
A. S. Cameron Steam Pump Works, New York.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Jeanesville Iron Works Company, Hazleton, Pa.
The Joseph Schneible Company, New York.

2395—PUMPS, FIRE.

American Steam Pump Company, Battle Creek, Mich.
Buffalo Forge Company, Buffalo, N. Y.
A. S. Cameron Steam Pump Works, New York.
Deming Company, Salem, Ohio.
Epping-Carpenter Company, Pittsburg, Pa.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Mast, Foos & Co., Springfield, Ohio.
The Snider Hughes Company, Cleveland, Ohio.
Union Steam Pump Company, Battle Creek, Mich.

2396—PUMPS, GASOLINE.

American Steam Pump Company, Battle Creek, Mich.
S. F. Bowser & Co., Inc., Fort Wayne, Ind.
Union Steam Pump Company, Battle Creek, Mich.
Waterloo Motor Works, Waterloo, Iowa.

2397—PUMPS, GAS WORKS.

Baker Iron Works, Los Angeles, Cal.
The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
Kerr Murray Manufacturing Company, Fort Wayne, Ind.
Practical Gas Construction Company, North Chicago, Ill.

2397—PUMPS, GAS WORKS—Continued.

Quintard Iron Works Company, New York.
Union Steam Pump Company, Battle Creek, Mich.
Western Gas Construction Company, Fort Wayne, Ind.
R. D. Wood & Co., Philadelphia, Pa.

2398—PUMPS, HAND.

Berger Manufacturing Company, Canton, Ohio.
Bishop & Babcock Company, Cleveland, Ohio.
Boston and Lockport Block Company, Boston, Mass.
The Cardwell Machine Company, Richmond, Va.
The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
Deming Company, Salem, Ohio.
Field Force Pump Company, Elmira, N. Y.
Flint & Walling Manufacturing Company, Kendallville, Ind.
Florence Pump and Lumber Company, Memphis, Tenn.
Geiser Manufacturing Company, Waynesboro, Pa.
The Goulds Manufacturing Company, Seneca Falls, N. Y
Hersey Manufacturing Company, South Boston, Mass.
Johnson Service Company, Milwaukee, Wis.
Kelly Foundry and Machine Company, Goshen, Ind.
The "Long-Arm" System Company, Cleveland, Ohio.
Mast, Foos & Co., Springfield, Ohio.
F. E. Myers & Bro., Ashland, Ohio.
John Robertson & Co., Brooklyn, N. Y.

2399—PUMPS, HOT AIR.

(See Engines, Hot Air.)

2400—PUMPS, IRRIGATION.

Allis-Chalmers Company, Chicago, Ill.
American Steam Pump Company, Battle Creek, Mich.
Baker Manufacturing Company, Evansville, Ind.
A. S. Cameron Steam Pump Works, New York.
Deming Company, Salem, Ohio.
Epping-Carpenter Company, Pittsburg, Pa.
W. T. Garratt & Co., San Francisco, Cal.
Geiser Manufacturing Company, Waynesboro, Pa.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Mast, Foos & Co., Springfield, Ohio.
August Mietz, New York.
Rider-Ericsson Engine Company, New York.
Union Steam Pump Company, Battle Creek, Mich.
R. D. Wood & Co., Philadelphia, Pa.

2401—PUMPS, MARINE.

A. S. Cameron Steam Pump Works, New York.
Thomas Laughlin Company, Portland, Me.

2402—PUMPS, MINE.

Allis-Chalmers Company, Chicago, Ill.
American Steam Pump Company, Battle Creek, Mich.
A. S. Cameron Steam Pump Works, New York.
Deming Company, Salem, Ohio.
Eagle Foundry and Machine Company, Allegheny, Pa.
Epping-Carpenter Company, Pittsburg, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Fulton Engine Works, Los Angeles, Cal.

2402—PUMPS, MINE—Continued.

W. T. Garratt & Co., San Francisco, Cal.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Jeanesville Iron Works Company, Hazleton, Pa.
Rand Drill Company, New York.
The Snider Hughes Company, Cleveland, Ohio.
Wilson, Snyder Manufacturing Company, Pittsburg, Pa.

2403—PUMPS, OIL.

American Steam Pump Company, Battle Creek, Mich.
Axelson Machine Company, Los Angeles, Cal.
S. F. Bowser & Co., Inc., Fort Wayne, Ind.
A. S. Cameron Steam Pump Works, New York.
Detroit Lubricator Company, Detroit, Mich.
Fulton Engine Works, Los Angeles, Cal.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
John E. Lonergan & Co., Philadelphia, Pa.
Lunkenheimer Company, Cincinnati, Ohio.
Michigan Lubricator Company, Detroit, Mich.
Oil Well Supply Company, Pittsburg, Pa.
Sherwood Manufacturing Company, Buffalo, N. Y.
The Snider Hughes Company, Cleveland, Ohio.
Union Steam Pump Company, Battle Creek, Mich.

2404—PUMPS, POWER.

(See also Pumps, Mine; Pumps, Steam, etc.)

The Bagley & Sewall Company, Watertown, N. Y.
Baker Manufacturing Company, Evansville, Wis.
Boyts, Porter & Co., Connellsville, Pa.
Buffalo Forge Company, Buffalo, N. Y.
A. S. Cameron Steam Pump Works, New York.
The Cardwell Machine Company, Richmond, Va.
The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
The Connersville Blower Company, Connersville, Ind.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
M. T. Davidson, Brooklyn, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Company, Salem, Ohio.
Fulton Engine Works, Los Angeles, Cal.
W. T. Garratt & Co., San Francisco, Cal.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Hall Steam Pump Company, Allegheny, Pa.
Johnson Service Company, Milwaukee, Wis.
Manning, Maxwell & Moore, New York.
Mast, Foos & Co., Springfield, Ohio.
August Mietz, New York.
F. E. Myers & Bro., Ashland, Ohio.
The Pattin Bros. Company, Marietta, Ohio.
The Platt Iron Works Company, Dayton, Ohio.
Rand Drill Company, New York.
John Robertson & Co., Brooklyn, N. Y.
The Snider Hughes Company, Cleveland, Ohio.
Stewart Heater Company, Buffalo, N. Y.
Union Steam Pump Company, Battle Creek, Mich.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Waterloo Motor Works, Waterloo, Iowa.
Watson-Stillman Company, New York.

2405—PUMPS, ROTARY.

Deming Company, Salem, Ohio.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
The Joseph Schneible Company, New York.
Southwark Foundry and Machine Company, Philadelphia, Pa.

2406—PUMPS, SAND.

Keystone Driller Company, Beaver Falls, Pa.

2407—PUMPS, SELF-MEASURING.

S. F. Bowser & Co., Inc., Fort Wayne, Ind.
Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa

2408—PUMPS, SPRAYING.

Aspinwall Manufacturing Company, Jackson, Mich.
Bateman Manufacturing Company, Grenloch, N. J.
Berger Manufacturing Company, Canton, Ohio.
The E. C. Brown Company, Rochester, N. Y.
Deming Company, Salem, Ohio.
Field Force Pump Company, Elmira, N. Y.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
F. E. Kohler & Co., Canton, Ohio.
Liquid Carbonic Company, Chicago, Ill.
Mast, Foos & Co., Springfield, Ohio.
F. E. Myers & Bro., Ashland, Ohio.
Silver Manufacturing Company, Salem, Ohio.
Water Paint Company of America, New York.

2409—PUMPS, STEAM.

Allis-Chalmers Company, Chicago, Ill.
American Steam Pump Company, Battle Creek, Mich.
Blymyer Iron Works Company, Cincinnati, Ohio.
Boyts, Porter & Co., Connellsville, Pa.
The Brownell Company, Dayton, Ohio.
Buffalo Forge Company, Buffalo, N. Y.
A. S. Cameron Steam Pump Works, New York.
Cardwell Machine Company, Richmond, Va.
Thomas Carlin's Sons Company, Allegheny, Pa.
The Connersville Blower Company, Connersville, Ind.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
M. T. Davidson, Brooklyn, N. Y.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Deming Company, Salem, Ohio.
Eagle Foundry and Machine Company, Allegheny, Pa.
Epping-Carpenter Company, Pittsburg, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Filer & Stowell Company, Milwaukee, Wis.
Fulton Engine Works, Los Angeles, Cal.
The Gardner Governor Company, Quincy, Ill.
W. T. Garratt & Co., San Francisco, Cal.
Geiser Manufacturing Company, Waynesboro, Pa.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Guild & Garrison, Brooklyn, N. Y.
Hall Steam Pump Company, Allegheny, Pa.
Herron Pump and Foundry Company, Chattanooga, Tenn.
Jeanesville Iron Works Company, Hazleton, Pa.
Lane & Bodley Company, Cincinnati, Ohio.
Manning, Maxwell & Moore, New York.
The Mason Regulator Company, Boston, Mass.
Morris Machine Works, Baldwinsville, N. Y.

2409—PUMPS, STEAM—Continued.

The Pattin Bros. Company, Marietta, Ohio.
The Platt Iron Works Company, Dayton, Ohio.
Quintard Iron Works Company, New York.
T. Shriver & Co., New York.
The Snider Hughes Company, Cleveland, Ohio.
Southwark Foundry and Machine Company, Philadelphia, Pa.
Stewart Heater Company, Buffalo, N. Y.
The William Tod Company, Youngstown, Ohio.
Union Steam Pump Company, Battle Creek, Mich.
Weir & Craig Manufacturing Company, Chicago, Ill.
Wilson, Snyder Manufacturing Company, Pittsburg, Pa.
R. D. Wood & Co., Philadelphia, Pa.

2410—PUMPS, SUGAR HOUSE.

American Steam Pump Company, Battle Creek, Mich.
Buffalo Forge Company, Buffalo, N. Y.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
Goulds Manufacturing Company, Seneca Falls, N. Y.
Guild & Garrison, Brooklyn, N. Y.
Hersey Manufacturing Company, South Boston, Mass.
George M. Newhall Engineering Company, Ltd., Philadelphia, Pa.
The Platt Iron Works Company, Dayton, Ohio.

2411—PUMPS, VACUUM.

American Steam Pump Company, Battle Creek, Mich.
Buffalo Forge Company, Buffalo, N. Y.
A. S. Cameron Steam Pump Works, New York.
Dean Bros. Steam Pump Works, Indianapolis, Ind.
Epping-Carpenter Company, Pittsburg, Pa.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Guild & Garrison, Brooklyn, N. Y.
Keystone Driller Company, Beaver Falls, Pa.
The Platt Iron Works Company, Dayton, Ohio.
Union Steam Pump Company, Battle Creek, Mich.

2412—PUMPS, WIND MILL.

Baker Manufacturing Company, Evansville, Wis.
Deming Company, Salem, Ohio.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Manufacturing Company, Kendallville, Ind.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
Mast, Foos & Co., Springfield, Ohio.
F. E. Myers & Bro., Ashland, Ohio.

2413—PUNCHES, CENTER.

Goodell-Pratt Company, Greenfield, Mass.
Manning, Maxwell & Moore, New York.
L. S. Starrett Company, Athol, Mass.

2414—PUNCHES, LEVER.

Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
The Elliott Company, Boston, Mass.
Goodell-Pratt Company, Greenfield, Mass.
John Loyd Company, New York.
Manning, Maxwell & Moore, New York.
Niagara Machine and Tool Works, Buffalo, N. Y.
J. M. Robinson Manufacturing Company, Cincinnati, Ohio.
Transue & Williams Company, Alliance, Ohio.

2415—PUNCHES FOR PAPER.

Barnhart Brothers & Spindler, Chicago, Ill.
John Loyd Company, New York.
The Samuel C. Tatum Company, Cincinnati, Ohio.

2416—PUNCHES, POWER.

Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
Blake & Johnson, Waterbury, Conn.
Buffalo Forge Company, Buffalo, N. Y.
Ferracute Machine Company, Bridgeton, N. J.
Fischer Foundry and Machine Company, Pittsburg, Pa.
The Garvin Machine Company, New York.
Goodell-Pratt Company, Greenfield, Mass.
William E. Hill & Co., Kalamazoo, Mich.
Long & Allstatter Company, Hamilton, Ohio.
John Loyd Company, New York.
Manning, Maxwell & Moore, New York.
The Morgan Engineering Company, Alliance, Ohio.
National Machinery Company, Tiffin, Ohio.
Niagara Machine and Tool Works, Buffalo, N. Y.
Niles-Bement-Pond Company, New York.
J. M. Robinson Manufacturing Company, Cincinnati, Ohio.
William Sellers & Co., Inc., Philadelphia, Pa.
The Samuel C. Tatum Company, Cincinnati, Ohio.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Watson-Stillman Company, New York.
Wickes Brothers, Saginaw, Mich.
Williams, White & Co., Moline, Ill.
R. D. Wood & Co., Philadelphia, Pa.

2417—PUNCHES, TICKET.

Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Rand Avery Supply Company, Boston, Mass.
Tower & Lyon Company, New York.

2418—PURIFIERS, WATER.

Harrison Safety Boiler Works, Philadelphia, Pa.
Loomis-Manning Filter Company, Philadelphia, Pa.
New York Continental Jewell Filtration Company, New York.
The Platt Iron Works Company, Dayton, Ohio.
Warren Webster & Co., Camden, N. J.

2419—PUSHERS, CAR.

Boston and Lockport Block Company, Boston, Mass.
Fairbanks, Morse & Co., Chicago, Ill.
Railway Appliances Company, Chicago, Ill.
Verona Tool Works, Pittsburg, Pa.

2420—PUTTY.

Felton, Sibley & Co., Philadelphia, Pa.

2421—PYRALIN.

Arlington Company, New York.

2422—PYRITES.

Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

2423—QUILTS, COTTON, DOWN AND WOOL.

R. Blankenburg & Co., Philadelphia, Pa.
Swift Manufacturing Company, Columbus, Ga.

2424—QUILT, INSULATING AND DEADENING.

F. W. Bird & Son, East Walpole, Mass.
Samuel Cabot, Boston, Mass.
Keasbey & Mattison Company, Ambler, Pa.
The Standard Paint Company, New York.
Warren-Ehret Company, Philadelphia, Pa.
H. F. Watson Company, Erie, Pa.

2425—QUININE.

Keasbey & Mattison Company, Ambler, Pa.
Paris Medicine Company, St. Louis, Mo.
Rosengarten & Sons, Inc., Philadelphia, Pa.

2426—RACING PLATES, ALUMINUM.

Bryden Horse Shoe Company, Catasauqua, Pa.

2427—RACKS AND HOOKS, BUTCHERS'.

(See Fixtures, Market.)

2428—RACKS, HAT AND COAT.

C. H. Campbell Furniture Company, Shelbyville, Ind.
Chattanooga Furniture Company, Chattanooga, Tenn.
Oliver Bros. Company, Lockport, N. Y.
Toledo Cooker Company, Toledo, Ohio.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.
The Udell Works, Indianapolis, Ind.
C. D. Widman & Co., Detroit, Mich.

2429—RACKS, TOWEL.

Hero Fruit Jar Company, Philadelphia, Pa.
Oliver Bros. Company, Lockport, N. Y.
The Charles Parker Company, Meriden, Conn.
Spencer Wire Company, Worcester, Mass.
Stover Manufacturing Company, Freeport, Ill.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.
The Udell Works, Indianapolis, Ind.

2430—RACKS, WHIP.

Binghamton Whip Company, Binghamton, N. Y.

2431—RACYCLES.

The Miami Cycle and Manufacturing Company, Middletown, Ohio.

2432—RADIATORS, AUTOMOBILE.

Whitlock Coil Pipe Company, Hartford, Conn.

2433—RADIATORS, STEAM AND HOT WATER.

American Radiator Company, Chicago, Ill.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
The J. L. Mott Iron Works, New York.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
The H. B. Smith Company, Westfield, Mass.
United States Heater Company, Detroit, Mich.
Walworth Manufacturing Company, Boston, Mass.

2434—RAILINGS, BANK AND OFFICE.

Cheney Bigelow Wire Works, Springfield, Mass.
Gilbert & Bennett Manufacturing Company, Georgetown, Conn.
Grand Rapids Brass Company, Grand Rapids, Mich.
Howard & Morse, New York.
A. Lucas & Sons, Peoria, Ill.

2434—RAILINGS, BANK AND OFFICE—Continued.

Manhattan Brass Company, New York.
Matthews Brothers Manufacturing Company, Milwaukee, Wis.
Merritt & Co., Inc., Philadelphia, Pa.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Michigan Wire Cloth Company, Detroit, Mich.
Milliken Brothers, New York.
Sheldon Novelty Company, Kankakee, Ill.
The Standard Company, Chicago, Ill.
Taylor & Dean, Pittsburg, Pa.
W. S. Tyler Company, Cleveland, Ohio.

2435—RAILINGS, IRON.

Chester B. Albree Iron Works, Allegheny, Pa.
A. Buch's Sons Company, Elizabethtown, Pa.
Howard & Morse, New York.
A. Lucas & Sons, Peoria, Ill.
James McKinney & Son, Albany, N. Y.
Merritt & Co., Inc., Philadelphia, Pa.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Milliken Brothers, New York.
The J. L. Mott Iron Works, New York.
Taylor & Dean, Pittsburg, Pa.
W. S. Tyler Company, Cleveland, Ohio.
The Van Dorn Iron Works Company, Cleveland, Ohio.
Jno. Williams, New York.

2436—RAILINGS, WOODEN, FOR CHURCH, COURT HOUSE, ETC.

The Compound Door Company, St. Joseph, Mich.
John S. Loomis Company, Brooklyn, N. Y.
Matthews Brothers Manufacturing Company, Milwaukee, Wis.
The Robert Mitchell Furniture Company, Cincinnati, Ohio.
Sanborn, Vail & Co., San Francisco, Cal.
Sheldon Novelty Company, Kankakee, Ill.

2437—RAILS, STEEL.

(See Steel Rails.)

2438—RAILWAY BRAKE SHOES.

American Brake Shoe and Foundry Company, New York.

2439—RAILWAY SIGNALS.

(See Signals, Railway Crossing; also Lamps, Signal; also Lenses, Railway Signal.)

2440—RAILWAY SUPPLIES.

American Car and Foundry Company, New York.
Avery Stamping Company, Cleveland, Ohio.
Bass-Hueter Paint Company, San Francisco, Cal.
Boyts, Porter & Co., Connellsville, Pa.
Osgood Bradley & Sons, Worcester, Mass.
Buffalo Scale Company, Buffalo, N. Y.
Chicago Railway Equipment Company, Chicago, Ill.
The Chisholm & Moore Manufacturing Company, Cleveland, Ohio.
The Cleveland Frog and Crossing Company, Cleveland, Ohio.
Dayton Malleable Iron Company, Dayton, Ohio.
Dayton Manufacturing Company, Dayton, Ohio.
Dilworth, Porter & Co., Ltd., Pittsburg, Pa.
Fairbanks, Morse & Co., Chicago, Ill.
Federal Manufacturing Company, Cleveland, Ohio.

2440—RAILWAY SUPPLIES—Continued.

Fiske Brothers Refining Company, New York.
Gould Coupler Company, New York.
Peter Gray & Sons, Boston, Mass.
Hale & Kilburn Manufacturing Company, Philadelphia, Pa.
The Hamilton Manufacturing Company, Two Rivers, Wis.
F. M. Hicks & Co., Chicago, Ill.
James L. Howard & Co., Hartford, Conn.
Illinois Malleable Iron Company, Chicago, Ill.
Illinois Steel Company, Chicago, Ill.
Johnson Service Company, Milwaukee, Wis.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Libbey Glass Company, Toledo, Ohio.
The Lima Locomotive and Machine Company, Lima, Ohio.
James McKay & Co., Pittsburg, Pa.
Manning, Maxwell & Moore, New York.
Miller Lock Company, Philadelphia, Pa.
Morden Frog and Crossing Works, Chicago, Ill.
Morgan & Wright, Chicago, Ill.
Murphy Varnish Company, Newark, N. J.
National Lock Washer Company, Newark, N. J.
National Malleable Castings Company, Cleveland, Ohio.
Northern Engineering Works, Detroit, Mich.
F. C. Nunemacher, Louisville, Ky.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Oliver Iron and Steel Company, Pittsburg, Pa.
Peckham Manufacturing Company, New York.
Pennsylvania Lubricating Company, Pittsburg, Pa.
Pennsylvania Steel Company, Philadelphia, Pa.
Pittsburgh Forge and Iron Company, Pittsburg, Pa.
Pratt & Letchworth Company, Buffalo, N. Y.
Railway Appliances Company, Chicago, Ill.
Ramapo Iron Works, New York.
Rand Avery Supply Company, Boston, Mass.
Rand, McNally & Co., Chicago, Ill.
Republic Iron and Steel Company, Chicago, Ill.
Russel Wheel and Foundry Company, Detroit, Mich.
St. Louis Car Company, St. Louis, Mo.
The Scranton Supply and Machinery Company, Scranton, Pa.
The Sherwin-Williams Company, Cleveland, Ohio.
Southern Iron and Equipment Company, Atlanta, Ga.
Standard Chain Company, Pittsburg, Pa.
Stengel & Rothschild, Newark, N. J.
Union Petroleum Company, Philadelphia, Pa.
United and Globe Rubber Manufacturing Companies, Trenton, N. J.
Valentine & Co., New York.
Verona Tool Works, Pittsburg, Pa.
The Vulcan Iron Works, Seattle, Wash.
Wason Manufacturing Company, Springfield, Mass.
Wendell & MacDuffie, New York.
Westinghouse Air Brake Company, Pittsburg, Pa.

2441—RAILWAY TICKETS AND STATIONERY.

Buxton & Skinner Stationery Company, St. Louis, Mo.
F. C. Nunemacher, Louisville, Ky.
Rand Avery Supply Company, Boston, Mass.
Rand, McNally & Co., Chicago, Ill.
F. H. Whittelsey, Windsor Locks, Conn.

2442—RAILWAYS, CABLE.

(See Tramways, Wire Rope.)

2443—RAILWAYS, ELECTRIC.

New Orleans Railway Company, New Orleans, La.
Utah Light and Railway Company, Salt Lake City, Utah.

2444—RAILWAYS, INDUSTRIAL.

The Lima Locomotive and Machine Company, Lima, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
The Portland Company, Portland, Me.
Russel Wheel and Foundry Company, Detroit, Mich.

2445—RAKES, HAND.

The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
Emerson Manufacturing Company, Rockford, Ill.
John H. Graham & Co., New York.
Iowa Farming Tool Company, Fort Madison, Iowa.
F. E. Kohler & Co., Canton, Ohio.
Piqua Handle and Manufacturing Company, Piqua, Ohio.

2446—RAKES, HAY (HORSE).

Adriance, Platt & Co., Poughkeepsie, N. Y.
Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Benicia Iron Works, Benicia, Cal.
David Bradley Manufacturing Company, Bradley, Ill.
Buffalo Pitts Company, Buffalo, N. Y.
Deere & Mansur Company, Moline, Ill.
H. P. Deuscher Company, Hamilton, Ohio.
Emerson Manufacturing Company, Rockford, Ill.
Harrow Spring Company, Albion, Mich.
International Harvester Company of America, Chicago, Ill.
Long & Allstatter Company, Hamilton, Ohio.
Frank C. Patten Company, Sycamore, Ill.
Sandwich Manufacturing Company, Sandwich, Ill.
Wiard Plow Company, Batavia, N. Y.

2447—RAMS, HYDRAULIC.

Deming Company, Salem, Ohio.
The Goulds Manufacturing Company, Seneca Falls, N. Y.
The Pelton Water Wheel Company, San Francisco, Cal.
Watson-Stillman Company, New York.

2448—RANGES.

Allen Manufacturing Company, Nashville, Tenn.
American Stove Company of N. J., St. Louis, Mo.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Bonnet-Nance Stove Company, Chicago Heights, Ill.
Bridge & Beach Manufacturing Company, St. Louis, Mo.
Buck's Stove and Range Company, St. Louis, Mo.
Buckwalter Stove Company, Royersford, Pa.
Cole Manufacturing Company, Chicago, Ill.
Continental Stove Company, Richmond, Va.
Co-operative Foundry Company, Rochester, N. Y.
Abram Cox Stove Company, Philadelphia, Pa.
Favorite Stove and Range Company, Piqua, Ohio.
Floyd, Wells & Co., Royersford, Pa.
The Fuller-Warren Company, Milwaukee, Wis.
Fuller & Warren Company, Troy, N. Y.
Germer Stove Company, Erie, Pa.

2448—RANGES—Continued.

Holbrook, Merrill & Stetson, San Francisco, Cal.
Joliet Stove Works, Joliet, Ill.
Kalamazoo Stove Company, Kalamazoo, Mich.
A. J. Lindemann & Hoverson Company, Milwaukee, Wis.
Majestic Manufacturing Company, St. Louis, Mo.
Michigan Stove Company, Detroit, Mich.
The J. L. Mott Iron Works, New York.
The A. T. Nye & Son Company, Marietta, Ohio.
Phillips & Buttorff Manufacturing Company, Nashville, Tenn.
Phillips & Clark Stove Company, Geneva, N. Y.
Pittsburgh Stove and Range Company, Allegheny, Pa.
The Portsmouth Stove and Range Company, Portsmouth, Ohio.
Isaac A. Sheppard & Co., Philadelphia, Pa.
Sill Stove Works, Rochester, N. Y.
Smith & Anthony Company, Boston, Mass.
Southard Robertson Company, New York.
Toledo Stove and Range Company, Toledo, Ohio.
Troy Nickel Works and Albany Foundry Company, Albany, N. Y.
The Union Stove Works, New York.
John Van Range Company, Cincinnati, Ohio.
The Wehrle Company, Newark, Ohio.
H. Wetter Manufacturing Company, Memphis, Tenn.

2449—RANGES, GAS.

American Stove Company of N. J., St. Louis, Mo.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Continental Stove Company, Richmond, Va.
Abram Cox Stove Company, Philadelphia, Pa.
Wm. M. Crane Company, New York.
Favorite Stove and Range Company, Piqua, Ohio.
The Fuller-Warren Company, Milwaukee, Wis.
The Griswold Manufacturing Company, Erie, Pa.
A. J. Lindemann & Hoverson Company, Milwaukee, Wis.
Majestic Manufacturing Company, St. Louis, Mo.
Michigan Stove Company, Detroit, Mich.
The J. L. Mott Iron Works, New York.
Phillips & Clark Stove Company, Geneva, N. Y.
The Portsmouth Stove and Range Company, Portsmouth, Ohio.
Reineke, Wilson Company, Pittsburg, Pa.
Isaac A. Sheppard & Co., Philadelphia, Pa.
Sill Stove Works, Rochester, N. Y.
Southard Robertson Company, New York.
Troy Nickel Works and Albany Foundry Company, Albany, N. Y.
The Union Stove Works, New York.

2450—RATTAN SEATINGS.

H. C. Dexter Chair Company, Black River, N. Y.
Hale & Kilburn Manufacturing Company, Philadelphia, Pa.

2451—RAWHIDE, FINISHED.

I. B. Williams & Sons, Dover, N. H.

2452—RAZORS.

International Cutlery Company, Fremont, Ohio.
Wiebusch & Hilger, Ltd., New York.

2453—REAMERS.

Baush Machine Tool Company, Springfield, Mass.
Cleveland Twist Drill Company, Cleveland, Ohio.

2453—REAMERS—Continued.

Thos. H. Dallett Company, Philadelphia, Pa.
Geometric Drill Company, New Haven, Conn.
Gisholt Machine Company, Madison, Wis.
Mack & Co., Rochester, N. Y.
Morse Twist Drill and Machine Company, New Bedford, Mass.
Niles-Bement-Pond Company, New York.
F. E. Reed Company, Worcester, Mass.
Standard Tool Company, Cleveland, Ohio.
United States Bung Manufacturing Company, Brooklyn, N. Y.
Walworth Manufacturing Company, Boston, Mass.

2454—REAPERS AND BINDERS.

Adriance, Platt & Co., Poughkeepsie, N. Y.
The Holt Manufacturing Company, Stockton, Cal.
International Harvester Company of America, Chicago, Ill.

2455—RECEIVERS, WELDED.

Harrison Safety Boiler Works, Philadelphia, Pa.
Manning, Maxwell & Moore, New York.
National Tube Company, Pittsburg, Pa.
The Reeves Brothers Company, Alliance, Ohio.
George D. Whitcomb Company, Chicago, Ill.

2456—REEDS, LOOM.

Draper Company, Hopedale, Mass.

2457—REELS, BOLTING.

(See Bolters and Graders for Flour.)

2458—REELS, YARN.

Jacob K. Altemus, Philadelphia, Pa.
Brown & Sharpe Manufacturing Company, Providence, R. I.
Draper Company, Hopedale, Mass.
Easton & Burnham Machine Company, Pawtucket, R. I.
Leighton Machine Company, Manchester, N. H.
Mason Machine Works, Taunton, Mass.
Saco and Pettee Machine Shops, Newton Upper Falls, Mass.
Whitin Machine Works, Whitinsville, Mass.

2459—REFLECTORS.

(See also Shades, Gas and Electric Light.)

Gill Brothers Company, Steubenville, Ohio.
Gillinder & Sons, Inc., Philadelphia, Pa.
Gleason-Tiebout Glass Company, Brooklyn, N. Y.
The Hylo Lamp Company, Detroit, Mich.
Shelby Electric Company, Shelby, Ohio.
Stanley & Patterson, Inc., New York.

2460—REFLECTORS, SILVERED GLASS.

Bausch & Lomb Optical Company, Rochester, N. Y.
Stanley & Patterson, Inc., New York.

2461—REFRIGERATORS.

The Alaska Refrigerator Company, Muskegon, Mich.
Brecht B. S. Co., St. Louis, Mo.
The Brunswick-Balke-Collender Company, New York.
The De La Vergne Machine Company, New York.
Eureka Refrigerator Company, Indianapolis, Ind.
Grand Rapids Refrigerator Company, Grand Rapids, Mich.

2461—REFRIGERATORS—Continued.

Gurney Refrigerator Company, Fond du Lac, Wis.
Indiana Manufacturing Company, Peru, Ind.
McCray Refrigerator Company, Kendallville, Ind.
Maine Manufacturing Company, Nashua, N. H.
Metal Stamping Company, Jackson, Mich.
The Michigan Barrel Company, Grand Rapids, Mich.
Monroe Refrigerator Company, Lockland, Ohio.
B. A. Stevens, Toledo, Ohio.

2462—REGISTERS, AUTOGRAPHIC.

Calculagraph Company, New York.
National Cash Register Company, Dayton, Ohio.
The United Autographic Register Company, Chicago, Ill.
Wabash Cabinet Company, Wabash, Ind.

2463—REGISTERS, CASH.

International Manufacturing Company, Columbus, Ohio.
National Cash Register Company, Dayton, Ohio.
Wabash Cabinet Company, Wabash, Ind.

2464—REGISTERS, CASH CHANGE MAKER.

Brandt Cashier Company, Chicago, Ill.

2465—REGISTERS, HOT AIR.

Thomas Devlin Manufacturing Company, Philadelphia, Pa.
Forest City Foundry and Manufacturing Company, Cleveland, Ohio.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.

2466—REGISTERS, TIME.

The E. G. Bernard Company, Troy, N. Y.
Calculagraph Company, New York.
The Dey Time Register Company, Syracuse, N. Y.
Holtzer-Cabot Electric Company, Brookline, Mass.
Johnson Service Company, Milwaukee, Wis.

2467—REGULATORS, DAMPER.

(See Dampers, Stove Pipe.)

2468—REGULATORS, ELECTRIC.

The Case Manufacturing Company, Columbus, Ohio.
Cutler-Hammer Manufacturing Company, Philadelphia, Pa.
Electrical Manufacturers' Export Company, New York.
Fort Wayne Electric Works, Inc., Fort Wayne, Ind.
General Electric Company, Schenectady, N. Y.
Johnson Service Company, Milwaukee, Wis.
The Mason Regulator Company, Boston, Mass.
The Morgan Engineering Company, Alliance, Ohio.
Triumph Electric Company, Cincinnati, Ohio.
Westinghouse Electric and Manufacturing Company, Pittsburg, Pa.

2469—REGULATORS, FEED-WATER.

The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
The Fisher Governor Company, Marshalltown, Iowa.
Foster Engineering Company, Newark, N. J.
Johnson Service Company, Milwaukee, Wis.
The Mason Regulator Company, Boston, Mass.

2470—REGULATORS, GAS PRESSURE.

Bishop & Babcock Company, Cleveland, Ohio.
The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.

2470—REGULATORS, GAS PRESSURE—Continued.

Wm. M. Crane Company, New York.
Equitable Meter Company, Pittsburg, Pa.
Foster Engineering Company, Newark, N. J.
Johnson Service Company, Milwaukee, Wis.
Kelly & Jones Company, New York.
Liquid Carbonic Company, Chicago, Ill.
John E. Lonergan & Co., Philadelphia, Pa.
Pittsburg Valve, Foundry and Construction Company, Pittsburg, Pa.
Practical Gas Construction Company, North Chicago, Ill.
The Joseph Schneible Company, New York.
Western Gas Construction Company, Fort Wayne, Ind.
L. J. Wing Manufacturing Company, New York.

2471—REGULATORS, PUMP PRESSURE.

(See Governors, Pump.)

2472—REGULATORS, STEAM.

The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
The C. H. Dutton Company, Kalamazoo, Mich.
The Fisher Governor Company, Marshalltown, Iowa.
Foster Engineering Company, Newark, N. J.
The Gardner Governor Company, Quincy, Ill.
Johnson Service Company, Milwaukee, Wis.
Judson Governor Company, Rochester, N. Y.
The Kelly & Jones Company, New York.
John E. Lonergan & Co., Philadelphia, Pa.
The Mason Regulator Company, Boston, Mass.
Pittsburg Valve, Foundry and Construction Company, Pittsburg, Pa.
The Joseph Schneible Company, New York.
Sinker-Davis Company, Indianapolis, Ind.
Stewart Heater Company, Buffalo, N. Y.
L. J. Wing Manufacturing Company, New York.

2473—REGULATORS, TEMPERATURE AND HUMIDITY.

Johnson Service Company, Milwaukee, Wis.

2474—REGULATORS, WATER PRESSURE.

Johnson Service Company, Milwaukee, Wis.
H. Mueller Manufacturing Company, Decatur, Ill.

2475—REGULATORS, WIND MILL.

Baker Manufacturing Company, Evansville, Wis.
Kelly Foundry and Machine Company, Goshen, Ind.

2476—RELISHES.

The American Preserve Company, Philadelphia, Pa.
Beech-Nut Packing Company, Canajoharie, N. Y.
Joseph Campbell Company, Camden, N. J.
A. Colburn Company, Philadelphia, Pa.
Curtice Bros. Company, Rochester, N. Y.
Dodson-Braun Manufacturing Company, St. Louis, Mo.
Erie Preserving Company, Buffalo, N. Y.
E. C. Hazard & Co., New York.
H. J. Heinz Company, Pittsburg, Pa.
Kuner Pickle Company, Denver, Col.
Francis H. Leggett & Co., New York.
Libby, McNeil & Libby, Inc., Chicago, Ill.
Van Camp Packing Company, Indianapolis, Ind.
Williams Brothers Company, Detroit, Mich.

2477—RETORTS, GAS.

Baker Iron Works, Los Angeles, Cal.
Bartlett, Hayward & Co., Baltimore, Md.
Cyrus Borgner Company, Philadelphia, Pa.
Kerr Murray Manufacturing Company, Fort Wayne, Ind.
Laclede Fire-Brick Manufacturing Company, St. Louis, Mo.
Parker-Russell Mining and Manufacturing Company, St. Louis, Mo.
Practical Gas Construction Company, North Chicago, Ill.
Quintard Iron Works Company, New York.
Western Gas Construction Company, Fort Wayne, Ind.
R. D. Wood & Co., Philadelphia, Pa.

2478—REVOLVERS.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn.
John H. Graham & Co., New York.
Harrington & Richardson Arms Company, Worcester, Mass.
M. Hartley Company, New York.
The Hopkins and Allen Arms Company, Norwich, Conn.
Smith & Wesson, Springfield, Mass.

2479—RHEOSTATS.

(See Regulators, Electric.)

2480—RIBBONS, SILK.

Cheney Brothers, Inc., South Manchester, Conn.
Dexter, Lambert & Co., Paterson, N. J.
Fichter & Martin, Bethlehem, Pa.
Johnson, Cowdin & Co., New York.
The William Strange Company, New York.

2481—RIBBONS, TYPEWRITER.

The Carter's Ink Company, Boston, Mass.
Fay-Sholes Company, Chicago, Ill.
Hammond Typewriter Company, New York.
The Newton-Rotherick Manufacturing Company, Toledo, Ohio.
Remington Typewriter Company, New York.
The Smith Premier Typewriter Company, Syracuse, N. Y.
S. S. Stafford, Inc., New York.
F. S. Webster Company, Boston, Mass.

2482—RICE AND RICE PRODUCTS.

Gustave A. Jahn & Co., Inc., New York.
Louisiana Irrigation and Mill Company, Crowley, La.
People's Independent Rice Mill Company, Ltd., Crowley, La.
Port Arthur Rice Milling Company, Port Arthur, Tex.

2483—RIDGERS, TOBACCO.

Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.

2484—RIFLES.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn.
M. Hartley Company, New York.
The Hopkins & Allen Arms Company, Norwich, Conn.
J. Stevens Arms and Tool Company, Chicopee Falls, Mass.

2485—RIMS, BICYCLE AND AUTOMOBILE (STEEL).

American Tube and Stamping Company, Bridgeport, Conn.
Crane & MacMahon, New York.
The Standard Welding Company, Cleveland, Ohio.

2486—RINGS, GOLD.

B. A. Ballou & Co., Providence, R. I.
Carter, Howe & Co., New York.
Durand & Co., Newark, N. J.
Eisenstadt Manufacturing Company, St. Louis, Mo.
R. R. Fogel & Co., New York.
Heintz Brothers, Buffalo, N. Y.
Leonard Krower, New Orleans, La.
Larter, Elcox & Co., New York.
E. L. Spencer Company, Inc., Providence, R. I.
Stern Bros. & Co., New York.
Waite, Thresher Company, Providence, R. I.

2487—RINGS, GOLD FILLED AND PLATED.

D. F. Briggs Company, Attleboro, Mass.
Clark & Coombs Company, Providence, R. I.
Cutler Jewelry Company, Providence, R. I.
R. R. Fogel & Co., New York.
William Loeb & Co., Providence, R. I.
Waite, Thresher Company, Providence, R. I.

2488—RINGS, HARNESS.

Covert Manufacturing Company, West Troy, N. Y.
Eberhard Manufacturing Company, Cleveland, Ohio.
Elbel Company, Canton, Ohio.
Todd Manufacturing Company, New Albany, Ind.
Toledo Moulding Company, Toledo, Ohio.

2439—RINGS, RUBBER.

H. O. Canfield, Bridgeport, Conn.
Diamond Rubber Company, Akron, Ohio.
The Eureka Rubber Manufacturing Company, Trenton, N. J.
Hamilton Rubber Manufacturing Company, Trenton, N. J.

2490—RIVETERS, HYDRAULIC.

Chester B. Albree Iron Works, Allegheny, Pa.
Fischer Foundry and Machine Company, Pittsburg, Pa.
The Morgan Engineering Company, Alliance, Ohio.
William Sellers & Co., Inc., Philadelphia, Pa.
Watson-Stillman Company, New York.
R. D. Wood & Co., Philadelphia, Pa.

2491—RIVETERS, PNEUMATIC.

Chester B. Albree Iron Works, Allegheny, Pa.
Thos. H. Dallett Company, Philadelphia, Pa.
Manning, Maxwell & Moore, New York.
Railway Appliances Company, Chicago, Ill.
William Sellers & Co., Inc., Philadelphia, Pa.

2492—RIVETERS, STEAM.

Manning, Maxwell & Moore, New York.
The Morgan Engineering Company, Alliance, Ohio.
William Sellers & Co., Inc., Philadelphia, Pa.
F. B. Shuster Company, New Haven, Conn.
Standard Rivet Company, Boston, Mass.
Williams, White & Co., Moline, Ill.

2493—RIVETS, BOILER.

American Iron and Steel Manufacturing Company, Lebanon, Pa.
Columbus Bolt Works, Columbus, Ohio.

to manufacturers whose names are given in this book.

2493—RIVETS, BOILER—Continued.

Jones & Laughlin Steel Company, Pittsburg, Pa.
Judson Manufacturing Company, San Francisco, Cal.
Kirk-Latty Manufacturing Company, Cleveland, Ohio.
The Lamson & Sessions Company, Cleveland, Ohio.
Lukens Iron and Steel Company, New Orleans, La.
Newark Rivet Works, Newark, N. J.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Pittsburg Screw and Bolt Company, Pittsburg, Pa.
C. C. & E. P. Townsend, New Brighton, Pa.

2494—RIVETS, COPPER.

Bridgeport Brass Company, Bridgeport, Conn.
Coe Brass Manufacturing Company, Torrington, Conn.
Hendricks Brothers, New York.
Michigan Bolt and Nut Works, Detroit, Mich.
Newark Rivet Works, Newark, N. J.
The Plume & Atwood Manufacturing Company, New York.
Rome Brass and Copper Company, Rome, N. Y.

2495—RIVETS, IRON AND STEEL.

The Akron Machine Company, Akron, Ohio.
American Iron and Steel Manufacturing Company, Lebanon, Pa.
Columbus Bolt Works, Columbus, Ohio.
Eagle Bicycle Manufacturing Company, Torrington, Conn.
Graham Nut Company, Allegheny, Pa.
Grand Crossing Tack Company, Chicago, Ill.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Judson Manufacturing Company, San Francisco, Cal.
Kirk-Latty Manufacturing Company, Cleveland, Ohio.
The Lamson & Sessions Company, Cleveland, Ohio.
Lukens Iron and Steel Company, New Orleans, La.
Michigan Bolt and Nut Works, Detroit, Mich.
Newark Rivet Works, Newark, N. J.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Oliver Iron and Steel Company, Pittsburg, Pa.
Pittsburgh Manufacturing Company, Pittsburg, Pa.
Pittsburg Screw and Bolt Company, Pittsburg, Pa.
J. H. Sessions & Son, Bristol, Conn.
C. C. & E. P. Townsend, New Brighton, Pa.

2496—RIVETS, SPECIAL.

Blake & Johnson, Waterbury, Conn.
Eagle Bicycle Manufacturing Company, Torrington, Conn.
J. H. Sessions & Son, Bristol, Conn.

2497—RIVETS, TUBULAR AND PRONGED.

Jewell Belting Company, Hartford, Conn.
The Plume & Atwood Manufacturing Company, New York.
Standard Rivet Company, Boston, Mass.
Tubular Rivet and Stud Company, Boston, Mass.

2498—ROBES.

Troy Blanket Mills, Troy, N. H.

2499—ROLL GRINDERS.

Jas. Clark, Jr., & Co., Louisville, Ky.
Farrel Foundry and Machine Company, Ansonia, Conn.
Manning, Maxwell & Moore, New York.
Norton Emery Wheel Company, Worcester, Mass.

2500—ROLLED OATS AND WHEAT.

H-O (Hornby's Oatmeal) Company, Buffalo, N. Y.

2501—ROLLERS, LAND AND ROAD.

Belcher & Taylor Agricultural Tool Co., Chicopee Falls, Mass.
Benicia Iron Works, Benicia, Cal.
Buffalo Pitts Company, Buffalo, N. Y.
A. Buch's Sons Company, Elizabethtown, Pa.
Climax Road Machine Company, Marathon, N. Y.
H. P. Deuscher Company, Hamilton, Ohio.
Emerson Manufacturing Company, Rockford, Ill.
Gale Manufacturing Company, Albion, Mich.
The Kelly-Springfield Road Roller Company, Springfield, Ohio.
Keystone Farm Machine Company, York, Pa.
Lansing Wheelbarrow Company, Lansing, Mich.
Roderick Lean Manufacturing Company, Mansfield, Ohio.
The Ohio Cultivator Company, Bellevue, Ohio.

2502—ROLLERS, SHADE AND BLIND.

Haviland Shade Roller Company, New York.
Stewart Hartshorn Company, East Newark, N. J.
The Quaker Shade Roller Company, Bay City, Mich.

2503—ROLLERS, STEAM ROAD.

American Road Machine Company, Kennett Square, Pa.
Aultman Company, Canton, Ohio.
Buffalo Pitts Company, Buffalo, N. Y.
J. I. Case Threshing Machine Company, Racine, Wis.
The Kelly-Springfield Road Roller Company, Springfield, Ohio.
Port Huron Engine and Thresher Company, Port Huron, Mich.
C. A. Warren & Co., San Francisco, Cal.

2504—ROLLING MILL EQUIPMENT.

Birmingham Iron Foundry, Derby, Conn.
Blake & Johnson, Waterbury, Conn.
Brown Corliss Engine Company, Corliss, Wis.
Coulter & McKenzie Machine Company, Bridgeport, Conn.
Damascus Bronze Company, Pittsburg, Pa.
Farrel Foundry and Machine Company, Ansonia, Conn.
Fischer Foundry and Machine Company, Pittsburg, Pa.
A. Garrison Foundry Company, Pittsburg, Pa.
Lane & Bodley Company, Cincinnati, Ohio.
Macbeth Iron Company, Cleveland, Ohio.
Mackintosh, Hemphill & Co., Pittsburg, Pa.
Mesta Machine Company, Pittsburg, Pa.
Morgan Construction Company, Worcester, Mass.
The Morgan Engineering Company, Alliance, Ohio.
R. S. Newbold & Son Company, Norristown, Pa.
Pittsburg Valve, Foundry and Construction Company, Pittsburg, Pa.
The Reeves Brothers Company, Alliance, Ohio.
Riverside Foundry Company, Cleveland, Ohio.
Seaman-Sleeth Company, Pittsburg, Pa.
William Sellers & Co., Inc., Philadelphia, Pa.
F. B. Shuster Company, New Haven, Conn.
Southwark Foundry and Machine Company, Philadelphia, Pa.
Sterrit-Thomas Foundry Company, Pittsburg, Pa.
The William Tod Company, Youngstown, Ohio.
United Engineering and Foundry Company, Pittsburg, Pa.
Vulcan Foundry and Machine Company, New Castle, Pa.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

2504—ROLLING MILL EQUIPMENT—Continued.

Wheeling Mold and Foundry Company, Wheeling, W. Va.
Williams, White & Co., Moline, Ill.

2505—ROLLING MILLS, BRASS AND COPPER.

Farrel Foundry and Machine Company, Ansonia, Conn.
A. Garrison Foundry Company, Pittsburg, Pa.
Seaman-Sleeth Company, Pittsburg, Pa.
United Engineering and Foundry Company, Pittsburg, Pa.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Wheeling Mold and Foundry Company, Wheeling, W. Va.

2506—ROLLS, CAST STEEL.

Blake & Johnson, Waterbury, Conn.
Carnegie Steel Company, Pittsburg, Pa.
Cyrus Currier & Sons, Newark, N. J.
A. Garrison Foundry Company, Pittsburg, Pa.
Latrobe Steel Company, Philadelphia, Pa.
Mesta Machine Company, Pittsburg, Pa.
Midvale Steel Company, Philadelphia, Pa.
United Engineering and Foundry Company, Pittsburg, Pa.
Wheeling Mold and Foundry Company, Wheeling, W. Va.

2507—ROLLS, CHILLED.

The Bass Foundry and Machine Company, Fort Wayne, Ind.
Birmingham Iron Foundry, Derby, Conn.
Blake & Johnson, Waterbury, Conn.
Caird & Hawksworth, Helena, Mont.
George V. Cresson Company, Philadelphia, Pa.
Cyrus Currier & Sons, Newark, N. J.
Farrel Foundry and Machine Company, Ansonia, Conn.
A. Garrison Foundry Company, Pittsburg, Pa.
Lobdell Car Wheel Company, Wilmington, Del.
Mesta Machine Company, Pittsburg, Pa.
Nordyke & Marmon Company, Indianapolis, Ind.
Riverside Foundry Company, Cleveland, Ohio.
Seaman-Sleeth Company, Pittsburg, Pa.
The Struthers Furnace Company, Cleveland, Ohio.
United Engineering and Foundry Company, Pittsburg, Pa.
Wheeling Mold and Foundry Company, Wheeling, W. Va.

2508—ROLLS, COAL AND ORE BREAKER.

Caird & Hawksworth, Helena, Mont.
George V. Cresson Company, Philadelphia, Pa.
Farrel Foundry and Machine Company, Ansonia, Conn.
The Hendrie & Bolthoff Manufacturing and Supply Company, Denver, Col.
Latrobe Steel Company, Philadelphia, Pa.
Midvale Steel Company, Philadelphia, Pa.
Taylor Iron and Steel Company, High Bridge, N. J.

2509—ROLLS, PLATE BENDING.

(See also Machinery, Bending.)

Carnegie Steel Company, Pittsburg, Pa.
Farrel Foundry and Machine Company, Ansonia, Conn.
Fischer Foundry and Machine Company, Pittsburg, Pa.
Long & Allstatter Company, Hamilton, Ohio.
Manning, Maxwell & Moore, New York.
The Morgan Engineering Company, Alliance, Ohio.
Niagara Machine and Tool Works, Buffalo, N. Y.
Niles-Bement-Pond Company, New York.

2509—ROLLS, PLATE BENDING—Continued.

Pittsburgh Manufacturing Company, Pittsburg, Pa.
William Sellers & Co., Inc., Philadelphia, Pa.
Wheeling Mold and Foundry Company, Wheeling, W. Va.
Wickes Brothers, Saginaw, Mich.

2510—ROLLS, RUBBER COVERED.

Boston Belting Company, Boston, Mass.
Diamond Rubber Company, Akron, Ohio.
B. F. Goodrich Company, Akron, Ohio.
Lovell Manufacturing Company, Erie, Pa.
Revere Rubber Company, Boston, Mass.

2511—ROLLS, TUBE MILL.

Bonnot Company, Canton, Ohio.
Fischer Foundry and Machine Company, Pittsburg, Pa.
United Engineering and Foundry Company, Pittsburg, Pa.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

2512—ROOFING, CAR.

The Standard Paint Company, New York.

2513—ROOFING, COPPER.

E. B. Badger & Sons Company, Boston, Mass.

2514—ROOFING, IRON AND STEEL.

The American Rolling Mill Company, Middletown, Ohio.
American Sheet and Tin Plate Company, Pittsburg, Pa.
Bartlett, Hayward & Co., Baltimore, Md.
Berger Manufacturing Company, Canton, Ohio.
Klauer Manufacturing Company, Dubuque, Iowa.
Merchant & Co., Inc., Philadelphna, Pa.
Milliken Brothers, New York.
W. H. Mullins, Salem, Ohio.
Muskingum Valley Steel Company, Zanesville, Ohio.
Riter-Conley Manufacturing Company, Pittsburg, Pa.
The Vermont Slate Company, Inc., Granville, N. Y.
Western Gas Construction Company, Fort Wayne, Ind.
Zug & Co., Ltd., Pittsburg, Pa.

2515—ROOFING, PREPARED.

E. B. Badger & Sons Company, Boston, Mass.
Barrett Manufacturing Company, New York.
F. W. Bird & Son, East Walpole, Mass.
Philip Carey Manufacturing Company, Lockland, Ohio.
The Eastern Granite Roofing Company, New York.
The Lincoln Waterproof Cloth Company, Bound Brook, N. J.
The Paraffine Paint Company, San Francisco, Cal.
The Standard Paint Company, New York.
Warren-Ehret Company, Philadelphia, Pa.
H. F. Watson Company, Erie, Pa.

2516—ROOFING, TERNE PLATE.

American Sheet and Tin Plate Company, Pittsburg, Pa.
Anchor Stove and Range Company, Inc., Louisville, Ky.
E. B. Badger & Sons Company, Boston, Mass.
Berger Manufacturing Company, Canton, Ohio.
Merchant & Co., Inc., Philadelphia, Pa.
The Vermont Slate Company, Inc., Granville, N. Y.

2517—ROPE, COPPER WIRE.

Ansonia Brass and Copper Company, New York.
Hazard Manufacturing Company, Wilkes-Barre, Pa.
Kellogg Switchboard and Supply Company, Chicago, Ill.
Monarch Electric and Wire Company, Chicago, Ill.
Alfred F. Moore, Philadelphia, Pa.
Phillips Insulated Wire Company, Pawtucket, R. I.
The Simplex Electrical Company, Boston, Mass.
Standard Underground Cable Company, Pittsburg, Pa.

2518—ROPE, COTTON.

(See Cordage, Cotton.)

2519—ROPE DRIVES.

The A. & F. Brown Company, New York.
Dodge Manufacturing Company, Mishawaka, Ind.
Edwin H. Fitler Company, Philadelphia, Pa.
Hill Clutch Company, Cleveland, Ohio.
Jeffrey Manufacturing Company, Columbus, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
Nordyke & Marmon Company, Indianapolis, Ind.
T. Shriver & Co., New York.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
Tubbs Cordage Company, San Francisco, Cal.
T. B. Wood's Sons, Chambersburg, Pa.

2520—ROPE, HEMP.

John T. Bailey & Co., Philadelphia, Pa.
Bibb Manufacturing Company, Macon, Ga.
Hooven & Allison Company, Xenia, Ohio.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Travers Brothers Company, New York.

2521—ROPE, JUTE.

(See Cordage, Jute.)

2522—ROPE, MANILA.

(See Cordage, Manila and Sisal.)

2523—ROPE, RAILWAY SWITCH.

A. Leschen & Sons Rope Company, St. Louis, Mo.

2524—ROPE, WIRE.

(See Cordage, Wire.)

2525—ROPE, WIRE (PHOSPHOR-BRONZE).

Phosphor-Bronze Smelting Company, Ltd., Philadelphia, Pa.

2526—RUBBER.

Diamond Rubber Company, Akron, Ohio.

2527—RUBBER BANDS.

Davidson Rubber Company, Boston, Mass.
Davol Rubber Company, Providence, R. I.
Diamond Rubber Company, Akron, Ohio.
Eberhard Faber, New York.
B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.
Tyer Rubber Company, Andover, Mass.

2528—RUBBER CLOTH.

Boston Belting Company, Boston, Mass.
Canfield Rubber Company, Bridgeport, Conn.
L. C. Chase & Co., Boston, Mass.
Empire Rubber Manufacturing Company, Trenton, N. J.
B. F. Goodrich Company, Akron, Ohio.
Hodgman Rubber Company, New York.
Home Rubber Company, Trenton, N. J.
Thomas Potter, Sons & Co., Inc., Philadelphia, Pa.
Quaker City Rubber Company, Philadelphia, Pa.

2529—RUBBER FEET AND HANDS.

A. A. Marks, New York.

2530—RUBBER GOODS, HARD.

American Hard Rubber Company, New York.
Davidson Rubber Company, Boston, Mass.
Davol Rubber Company, Providence, R. I.
Diamond Rubber Company, Akron, Ohio.
Morgan & Wright, Chicago, Ill.
Tyer Rubber Company, Andover, Mass.

2531—RUBBER GOODS, MECHANICAL.

Boston Belting Company, Boston, Mass.
H. O. Canfield, Bridgeport, Conn.
Diamond Rubber Company, Akron, Ohio.
Empire Rubber Manufacturing Company, Trenton, N. J.
The Eureka Rubber Manufacturing Company, Trenton, N. J.
G. & J. Tire Company, Indianapolis, Ind.
Glasgow Iron Company, Pottstown, Pa.
B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
Hartford Rubber Works Company, Hartford, Conn.
Home Rubber Company, Trenton, N. J.
Morgan & Wright, Chicago, Ill.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.
Quaker City Rubber Company, Philadelphia, Pa.
Revere Rubber Company, Boston, Mass.
United and Globe Rubber Manufacturing Companies, Trenton, N. J.

2532—RUBBER GOODS, MOULDED.

H. O. Canfield, Bridgeport, Conn.
Canfield Rubber Company, Bridgeport, Conn.
Davidson Rubber Company, Boston, Mass.
Davol Rubber Company, Providence, R. I.
Diamond Rubber Company, Akron, Ohio.
Empire Rubber Manufacturing Company, Trenton, N. J.
The Eureka Rubber Manufacturing Company, Trenton, N. J.
B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.
Grieb Rubber Company, Philadelphia, Pa.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
Hartford Rubber Works Company, Hartford, Conn.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Hodgman Rubber Company, New York.
Home Rubber Company, Trenton, N. J.
Morgan & Wright, Chicago, Ill.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.
Quaker City Rubber Company, Philadelphia, Pa.

2532—RUBBER GOODS, MOULDED—Continued.

Revere Rubber Company, Boston, Mass.
Tyer Rubber Company, Andover, Mass.
United and Globe Rubber Manufacturing Companies, Trenton, N. J.

2533—RUBBER SHOES.

(See Boots and Shoes, Rubber.)

2534—RUBBER SUBSTITUTE.

Hammill & Gillespie, New York.

2535—RUBBER SUNDRIES.

H. O. Canfield, Bridgeport, Conn.
Consolidated Dental Manufacturing Company, New York.
Davidson Rubber Company, Boston, Mass.
Davol Rubber Company, Providence, R. I.
Diamond Rubber Company, Akron, Ohio.
B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.
Hartford Rubber Works Company, Hartford, Conn.
Hodgman Rubber Company, New York.
Morgan & Wright, Chicago, Ill.
Tyer Rubber Company, Andover, Mass.
S. S. White Dental Manufacturing Company, Philadelphia, Pa.

2536—RUBBER TILING.

(See Tiling, Rubber.)

2537—RUBBER TIRES.

(See Tires, Rubber.)

2538—RUBBER, VULCANIZED.

Consolidated Dental Manufacturing Company, New York.
Diamond Rubber Company, Akron, Ohio.
Morgan & Wright, Chicago, Ill.
Tyer Rubber Company, Andover, Mass.
S. S. White Dental Manufacturing Company, Philadelphia, Pa.

2539—RUBBERS, PEDAL.

B. F. Goodrich Company, Akron, Ohio.

2540—RUBSTONES.

(See Hones.)

2541—RUDDER SUPPORTERS.

American Ship Windlass Company, Providence, R. I.

2542—RUGS, CARRIAGE.

L. C. Chase & Co., Boston, Mass.
The Eureka Rubber Manufacturing Company, Trenton, N. J.
Thomas Potter, Sons & Co., Inc., Philadelphia, Pa.
Schofield, Mason & Co., Philadelphia, Pa.

2543—RUGS, JUTE.

(See Carpets, Jute.)

2544—RUGS, SMYRNA.

John Bromley & Sons, Philadelphia, Pa.
Ivins, Dietz & Metzger Company, Philadelphia, Pa.
Thomas L. Leedom Company, Bristol, Pa.
Schofield, Mason & Co., Philadelphia, Pa.
Stead, Miller & Co., Philadelphia, Pa.

2545—RUGS, VELVET, WILTON, ETC.

(See Carpets, Velvet, Wilton, etc.)

2546—RULES, LUMBER.

The Lufkin Rule Company, Saginaw, Mich.

2547—RULES, SLIDE.

Keuffel & Esser Company, New York.
Stanley Rule and Level Company, New Britain, Conn.

2548—RULES, STEEL.

Billings & Spencer Company, Hartford, Conn.
Brown & Sharpe Manufacturing Company, Providence, R. I.
Goodell-Pratt Company, Greenfield, Mass.
Keuffel & Esser Company, New York.
The Lufkin Rule Company, Saginaw, Mich.
The Niagara Clip Company, New York.
L. S. Starrett Company, Athol, Mass.

2549—RULES, WOODEN, MECHANICS'.

The Lufkin Rule Company, Saginaw, Mich.
The Peck, Stow & Wilcox Company, Southington, Conn.
Stanley Rule and Level Company, New Britain, Conn.
L. S. Starrett Company, Athol, Mass.

2550—RUM.

Freiberg & Workum, Cincinnati, Ohio.

2551—SAD-IRONS.

Bless & Drake, Newark, N. J.
Chattanooga Implement and Mfg. Co., East Chattanooga, Tenn.
Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa
The Griswold Manufacturing Company, Erie, Pa.
The Ober Manufacturing Company, Chagrin Falls, Ohio.
Wrightsville Hardware Company, Wrightsville, Pa.

2552—SADDLERY.

Armstrong & Graham, Detroit, Mich.
The Atchison Saddlery Company, Atchison, Kan.
Graf, Morsbach & Co., Cincinnati, Ohio.
Marshall-Wells Hardware Company, Duluth, Minn.
New York Leather Belting Company, New York.
Page Belting Company, Concord, N. H.
Perkins, Campbell Company, Cincinnati, Ohio.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Whitney & Sloo Company, Ltd., New Orleans, La.
Alonzo Wygant, Chicago, Ill.

2553—SADDLERY HARDWARE.

(See Hardware, Saddlery.)

2554—SADDLERY GOODS, WEB.

Buffalo Weaving and Belting Company, Buffalo, N. Y.
Covert Manufacturing Company, West Troy, N. Y.
Hope Webbing Company, Providence, R. I.

2555—SADDLES, BICYCLE.

Graton & Knight Manufacturing Company, Worcester, Mass.

2556—SAFES AND VAULTS.

Cary Safe Company, Buffalo, N. Y.
Hall's Safe Company, Cincinnati, Ohio.

2556—SAFES AND VAULTS—Continued.

Herring-Hall-Marvin Safe Company, New York.
Toledo Cooker Company, Toledo, Ohio.
York Safe and Lock Company, York, Pa.

2557—SAL AMMONIAC.

Cochrane Chemical Company, Boston, Mass.

2558—SALT.

Bliss & Van Auken, Saginaw, Mich.
Cleveland Salt Company, Cleveland, Ohio.
Manistee Lumber Company, Manistee, Mich.
Miner-Hillard Milling Company, Wilkes-Barre, Pa.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

2559—SALT CAKE.

Cochrane Chemical Company, Boston, Mass.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
United Zinc and Chemical Company, Kansas City, Mo.

2560—SALTPETRE.

Austin Powder Company, Cleveland, Ohio.

2561—SALTS, EPSOM.

Franklin H. Kalbfleisch Company, New York.
Liquid Carbonic Company, Chicago, Ill.
Merrimac Chemical Company, Boston, Mass.

2562—SALTS, GLAUBER'S.

Cochrane Chemical Company, Boston, Mass.
Grasselli Chemical Company, New York.
Franklin H. Kalbfleisch Company, New York.
Charles Lennig & Co., Inc., Philadelphia, Pa.
Merrimac Chemical Company, Boston, Mass.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa
United Zinc and Chemical Company, Kansas City, Mo.

2563—SALTS, GRANULAR, EFFERVESCENT.

The G. F. Harvey Company, Saratoga Springs, N. Y.
Keasbey & Mattison Company, Ambler, Pa.
Parke, Davis & Co., Detroit, Mich.
Henry K. Wampole & Co., Philadelphia, Pa.
William R. Warner & Co., Philadelphia, Pa.
John Wyeth & Brother, Inc., Philadelphia, Pa.

2564—SALTS, ROCHELLE.

Charles Pfizer & Co., New York.

2565—SALTS, SMELLING.

Lazell, Dalley & Co., New York.

2566—SAND AND FLINT PAPER AND CLOTH.

American Glue Company, Boston, Mass.
Baeder, Adamson & Co., Philadelphia, Pa.
Herman Behr & Co., New York.
John H. Graham & Co., New York.

2567—SARSAPARILLA, CARBONATED.

Hygeia Distilled Water Company, New York.

2568—SASH, METAL.

(See Window Frames and Sash, Metal.)

2569—SASH, WOOD.

(See Doors, Sash and Blinds.)

2570—SATEENS.

Arnold Print Works, North Adams, Mass.
Barnard Manufacturing Company, Fall River, Mass.
Berkshire Cotton Manufacturing Company, Adams, Mass.
Brandon Mills, Greenville, S. C.
The King Philip Mills, Fall River, Mass.
Lorraine Manufacturing Company, Pawtucket, R. I.
Manville Company, Providence, R. I.
Potomska Mills Corporation, New Bedford, Mass.
Wamsutta Mills, New Bedford, Mass.
Warren Manufacturing Company, Warren, R. I.
Paul Whitin Manufacturing Company, Northbridge, Mass.

2571—SATINS.

Brainerd & Armstrong Company, New London, Conn.
Cheney Brothers, Inc., South Manchester, Conn.
D. G. Dery, Catasauqua, Pa.

2572—SAUCES, TABLE.

The American Preserve Company, Philadelphia, Pa.
Joseph Campbell Company, Camden, N. J.
A. Colburn Company, Philadelphia, Pa.
Dodson-Braun Manufacturing Company, St. Louis, Mo.
E. C. Hazard & Co., New York.
H. J. Heinz Company, Pittsburg, Pa.
Kuner Pickle Company, Denver, Col.
Francis H. Leggett & Co., New York.
Libby, McNeil & Libby, Inc., Chicago, Ill.
Van Camp Packing Company, Indianapolis, Ind.
Williams Brothers Company, Detroit, Mich.

2573—SAUERKRAUT.

Bloomington Canning Company, Bloomington, Ill.
Dodson-Braun Manufacturing Company, St. Louis, Mo.

2574—SAW BUCKS.

George H. Bishop & Co., Lawrenceburg, Ind.
A. Buch's Sons Company, Elizabethtown, Pa.
De Loach Mill Manufacturing Company, Atlanta, Ga.
Henry Disston & Sons, Inc., Philadelphia, Pa.
C. E. Jennings & Co., New York.
Tower & Lyon Company, New York.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.

2575—SAW FRAMES.

Belle City Manufacturing Company, Racine Junction, Wis.
De Loach Mill Manufacturing Company, Atlanta, Ga.
Henry Disston & Sons, Inc., Philadelphia, Pa.
A. B. Farquhar & Co., New York.
Goodell-Pratt Company, Greenfield, Mass.
William E. Hill & Co., Kalamazoo, Mich.
Lane Maufacturing Company, Montpelier, Vt.
Manning, Maxwell & Moore, New York.
The New Britain Machine Company, New Britain, Conn.
Frank C. Patten Company, Sycamore, Ill.
Port Huron Engine and Thresher Company, Port Huron, Mich.
Sinker-Davis Company, Indianapolis, Ind.

2575—SAW FRAMES—Continued.

Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.
Wheland Machine Works, Chattanooga, Tenn.

2576—SAW GUARDS.

Stephenson Manufacturing Company, Albany, N. Y.

2577—SAW MILLS, PORTABLE.

American Machinery and Export Company, New York.
Aultman & Taylor Machinery Company, Mansfield, Ohio.
Baker Manufacturing Company, Evansville, Wis.
A. F. Bartlett & Co., Saginaw, Mich.
Benicia Iron Works, Benicia, Cal.
California Saw Works, San Francisco, Cal.
Chandler & Taylor Company, Indianapolis, Ind.
De Loach Mill Manufacturing Company, Atlanta, Ga.
A. B. Farquhar & Co., New York.
The S. Freeman & Sons Manufacturing Company, Racine, Wis.
Frick Company, Waynesboro, Pa.
Gaar, Scott & Co., Richmond, Ind.
The M. Garland Company, Bay City, Mich.
Geiser Manufacturing Company, Waynesboro, Pa.
Giddings & Lewis Manufacturing Company, Fond du Lac, Wis.
Heilman Machine Works, Evansville, Ind.
Hench, Dromgold & Co., York, Pa.
Lane Manufacturing Company, Montpelier, Vt.
Lombard Iron Works and Supply Company, Augusta, Ga.
Marseilles Manufacturing Company, Marseilles, Ill.
Wm. B. Mershon & Co., Saginaw, Mich.
National Iron Company, West Duluth, Minn.
Port Huron Engine and Thresher Company, Port Huron, Mich.
The Rockwood Manufacturing Company, Indianapolis, Ind.
Sinker-Davis Company, Indianapolis, Ind.
H. B. Smith Machine Company, Smithville, N. J.
Wheland Machine Works, Chattanooga, Tenn.

2578—SAW MILLS, STATIONARY.

W. T. Adams Machine Company, Corinth, Miss.
Allis-Chalmers Company, Chicago, Ill.
American Machinery and Export Company, New York.
American Wood Working Machinery Company, New York.
Barnard Manufacturing Company, Spokane, Wash.
A. F. Bartlett & Co., Saginaw, Mich.
Benicia Iron Works, Benicia, Cal.
California Saw Works, San Francisco, Cal.
Chandler & Taylor Company, Indianapolis, Ind.
Curtis & Co., Manufacturing Company, St. Louis, Mo.
De Loach Mill Manufacturing Company, Atlanta, Ga.
A. B. Farquhar & Co., New York.
J. A. Fay & Egan Company, Cincinnati, Ohio.
Filer & Stowell Company, Milwaukee, Wis.
Gaar, Scott & Co., Richmond, Ind.
The M. Garland Company, Bay City, Mich.
Geiser Manufacturing Company, Waynesboro, Pa.
Giddings & Lewis Manufacturing Company, Fond du Lac, Wis.
Hall & Brown Wood Working Machine Company, St. Louis, Mo.
Heilman Machine Works, Evansville, Ind.
Hench, Dromgold & Co., York, Pa.
Joshua Hendy Machine Works, San Francisco, Cal.

2578—SAW MILLS, STATIONARY—Continued.

William E. Hill & Co., Kalamazoo, Mich.
Lane Manufacturing Company, Montpelier, Vt.
Lane & Bodley Company, Cincinnati, Ohio.
Lombard Iron Works and Supply Company, Augusta, Ga.
Manning, Maxwell & Moore, New York.
Wm. B. Mershon & Co., Saginaw, Mich.
National Iron Company, West Duluth, Minn.
Sinker-Davis Company, Indianapolis, Ind.
Vulcan Iron Works, San Francisco, Cal.
Wheland Machine Works, Chattanooga, Tenn.
Wickes Brothers, Saginaw, Mich.
S. A. Woods Machine Company, South Boston, Mass.

2579—SAWING MACHINES FOR METAL.

Baird Machinery Company, Pittsburg, Pa.
Jas. Clark, Jr., & Co., Louisville, Ky.
J. G. Duke Machine Works, Memphis, Tenn.
Fairbanks Company, New York.
Gisholt Machine Company, Madison, Wis.
Goodell-Pratt Company, Greenfield, Mass.
C. E. Jennings & Co., New York.
Kelly & Jones Company, New York.
Manning, Maxwell & Moore, New York.
Railway Appliances Company, Chicago, Ill.
Trimont Manufacturing Company, Roxbury, Mass.

2580—SAWS, BAND, DRAG AND CIRCULAR.

The Advance Machinery Company, Toledo, Ohio.
American Machinery and Export Company, New York.
American Wood Working Machinery Company, New York.
E. C. Atkins & Co., Indianapolis, Ind.
Baker Manufacturing Company, Evansville, Wis.
W. F. & John Barnes Company, Rockford, Ill.
The Berlin Machine Works, Beloit, Wis.
George H. Bishop & Co., Lawrenceburg, Ind.
Branch Saw Company, St. Louis, Mo.
A. Buch's Sons Company, Elizabethtown, Pa.
California Saw Works, San Francisco, Cal.
Chandler & Taylor Company, Indianapolis, Ind.
Crescent Machine Company, Leetonia, Ohio.
Curtis & Co. Manufacturing Company, St. Louis, Mo.
De Loach Mill Manufacturing Company, Atlanta, Ga.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
J. A. Fay & Egan Company, Cincinnati, Ohio.
The S. Freeman & Sons Manufacturing Company, Racine, Wis.
Frick Company, Waynesboro, Pa.
Giddings & Lewis Manufacturing Company, Fond du Lac, Wis.
Goodell-Pratt Company, Greenfield, Mass.
Heilman Machine Works, Evansville, Ind.
Lane Manufacturing Company, Montpelier, Vt.
Manning, Maxwell & Moore, New York.
Marseilles Manufacturing Company, Marseilles, Ill.
Wm. B. Mershon & Co., Saginaw, Mich.
John S. Oram, Cleveland, Ohio.
Seneca Falls Manufacturing Company, Seneca Falls, N. Y.
Silver Manufacturing Company, Salem, Ohio.
Simonds Manufacturing Company, Fitchburg, Mass.

2580—SAWS, BAND, DRAG AND CIRCULAR—Continued.

Sinker-Davis Company, Indianapolis, Ind.
H. B. Smith Machine Company, Smithville, N. J.
Wheland Machine Works, Chattanooga, Tenn.

2581—SAWS, HACK.

E. C. Atkins & Co., Indianapolis, Ind.
W. F. & John Barnes Company, Rockford, Ill.
Branch Saw Company, St. Louis, Mo.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
Fairbanks Company, New York.
Goodell-Pratt Company, Greenfield, Mass.
C. E. Jennings & Co., New York.
Manning, Maxwell & Moore, New York.
Railway Appliances Company, Chicago, Ill.
Simonds Manufacturing Company, Fitchburg, Mass.
L. S. Starrett Company, Athol, Mass.

2582—SAWS, HAND.

E. C. Atkins & Co., Indianapolis ,Ind.
George H. Bishop & Co., Lawrenceburg, Ind.
Branch Saw Company, St. Louis, Mo.
A. Buch's Sons Company, Elizabethtown, Pa.
Curtis & Co. Manufacturing Company, St. Louis, Mo.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Goodell-Pratt Company, Greenfield, Mass.
C. E. Jennings & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
Sargent & Co., New York.
Simonds Manufacturing Company, Fitchburg, Mass.

2583—SAWS, ICE.

George H. Bishop & Co., Lawrenceburg, Ind.
Henry Disston & Sons, Inc., Philadelphia, Pa.

2584—SAWS, SCROLL.

E. C. Atkins & Co., Indianapolis, Ind.
W. F. & John Barnes Company, Rockford, Ill.
George H. Bishop & Co., Lawrenceburg, Ind.
J. A. Fay & Egan Company, Cincinnati, Ohio.
Manning, Maxwell & Moore, New York.
John Royle & Sons, Paterson, N. J.
Simonds Manufacturing Company, Fitchburg, Mass.
Trump Brothers Machine Company, Wilmington, Del.

2585—SAWS, SHINGLE.

E. C. Atkins & Co., Indianapolis, Ind.
Curtis & Co. Manufacturing Company, St. Louis, Mo.
De Loach Mill Manufacturing Company, Atlanta, Ga.
Trevor Manufacturing Company, Lockport, N. Y.

2586—SAWS, SLATE.

E. C. Atkins & Co., Indianapolis, Ind.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.

2587—SCALE PRECIPITATORS.

Stephenson Manufacturing Company, Albany, N. Y.

2586—SCALES, COMPUTING.

Computing Scale Company, Dayton, Ohio.
Keuffel & Esser Company, New York.

2589—SCALES, COUNTER.

Buffalo Scale Company, Buffalo, N. Y.
Fairbanks Company, New York.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Howe Scale Company, Boston, Mass.
Jones of Binghamton, Binghamton, N. Y.
Osgood Scale Company, Binghamton, N. Y.
Pelouze Scale and Manufacturing Company, Chicago, Ill.
Standard Scale and Supply Company, Ltd., Pittsburg, Pa.

2590—SCALES, PLATFORM.

Buffalo Scale Company, Buffalo, N. Y.
Fairbanks Company, New York.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Howe Scale Company, Boston, Mass.
Jones of Binghamton, Binghamton, N. Y.
Osgood Scale Company, Binghamton, N. Y.
Pelouze Scale and Manufacturing Company, Chicago, Ill.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
Standard Scale and Supply Company, Ltd., Pittsburg, Pa.
H. N. Strait Manufacturing Company, Kansas City, Kan.

2591—SCALES, RECORDING ATTACHMENT FOR.

Standard Scale and Supply Company, Ltd., Pittsburg, Pa.

2592—SCALES, SPRING BALANCE.

American Cutlery Company, Chicago, Ill.
Fairbanks Company, New York.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Howe Scale Company, Boston, Mass.
Pelouze Scale and Manufacturing Company, Chicago, Ill.
Standard Scale and Supply Company, Ltd., Pittsburg, Pa.

2593—SCALES, TRUCK.

American Harrow Company, Detroit, Mich.
Buffalo Scale Company, Buffalo, N. Y.
Fairbanks Company, New York.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
Howe Scale Company, Boston, Mass.
Jones of Binghamton, Binghamton, N. Y.
Osgood Scale Company, Binghamton, N. Y.
Standard Scale and Supply Company, Ltd., Pittsburg, Pa.
H. N. Strait Manufacturing Company, Kansas City, Kan.

2594—SCHOOL SUPPLIES.

The A. H. Andrews Company, Chicago, Ill.
Binney & Smith Company, New York.
R. O. Evans & Co., Owensboro, Ky.
Keuffel & Esser Company, New York.
J. S. Moyer & Co., Bethlehem, Pa.
Rand, McNally & Co., Chicago, Ill.
Reynolds & Reynolds Company, Dayton, Ohio.
Standard Table Oil Cloth Company, New York.
D. M. Steward Manufacturing Company, Chattanooga, Tenn.

2595—SCOOPS, METAL.

Oliver Ames & Sons Corporation, North Easton, Mass.
The Avery Stamping Company, Cleveland, Ohio.
William Chisholm & Sons, Cleveland, Ohio.
Hussey-Binns Shovel Company, Pittsburg, Pa.
Indiana Rolling Mill Company, New Castle, Ind.
Kelley, Maus & Co., Chicago, Ill.
F. E. Kohler & Co., Canton, Ohio.
Nordyke & Marmon Company, Indianapolis, Ind.

2596—SCOOPS, WOODEN.

John Sommer's Son, Newark, N. J.

2597—SCOURERS OF YARNS.

(See Dyers and Scourers of Yarns.)

2598—SCRAPERS, BOX AND CABINET.

George H. Bishop & Co., Lawrenceburg, Ind.
Cincinnati Tool Company, Norwood, Cincinnati, Ohio.

2599—SCRAPERS, POT AND KETTLE.

F. E. Kohler & Co., Canton, Ohio.
Stover Manufacturing Company, Freeport, Ill.

2600—SCRAPERS, ROAD AND DRAG.

The American Steel Scraper Company, Sidney, Ohio.
Climax Road Machine Company, Marathon, N. Y.
The Holt Manufacturing Company, Stockton, Cal.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Lansing Wheelbarrow Company, Lansing, Mich.
Sidney Steel Scraper Company, Sidney, Ohio.
Syracuse Chilled Plow Company, Syracuse, N. Y.
C. A. Warren & Co., San Francisco, Cal.
Western Wheeled Scraper Company, Aurora, Ill.

2601—SCRAPERS, SIDEWALK.

F. E. Kohler & Co., Canton, Ohio.

2602—SCREEN PLATES, PAPER MILL.

Eastwood Wire Manufacturing Company, Belleville, N. J.
The Sandy Hill Iron and Brass Works, Sandy Hill, N. Y.
W. S. Tyler Company, Cleveland, Ohio.

2603—SCREENS, PERFORATED, METAL.

Allis-Chalmers Company, Chicago, Ill.
Bonnot Company, Canton, Ohio.
Climax Road Machine Company, Marathon, N. Y.
Duncan Foundry and Machine Works, Alton, Ill.
Eagle Iron Works, Des Moines, Iowa.
Jeffrey Manufacturing Company, Columbus, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
A. Lucas & Sons, Peoria, Ill.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Taylor Iron and Steel Company, High Bridge, N. J.
Vulcan Iron Works, Wilkes-Barre, Pa.

2604—SCREENS, PARLOR.

Ferguson Bros. Manufacturing Company, Hoboken, N. J.
Kilbourne Manufacturing Company, Troy, N. Y.
Sheldon Novelty Company, Kankakee, Ill.

2605—SCREENS, WINDOW.

American Parquetry Floor Company, Philadelphia, Pa.
Arawana Mills, Middletown, Conn.
Higgin Manufacturing Company, Newport, Ky.
Howard & Morse, New York.
Owosso Manufacturing Company, Owosso, Mich.
John F. Wilcox, Minneapolis, Minn.

2606—SCREENS, WIRE.

American Parquetry Floor Company, Philadelphia, Pa.
Gilbert & Bennett Manufacturing Company, Georgetown, Conn.
Higgin Manufacturing Company, Newport, Ky.
Howard & Morse, New York.
Merritt & Co., Inc., Philadelphia, Pa.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Michigan Wire Cloth Company, Detroit, Mich.
The New Jersey Wire Cloth Company, Trenton, N. J.
Nordyke & Marmon Company, Indianapolis, Ind.
Spencer Wire Company, Worcester, Mass.
W. S. Tyler Company, Cleveland, Ohio.

2607—SCREW DRIVERS.

The Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Clement Manufacturing Company, Northampton, Mass.
The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Goodell-Pratt Company, Greenfield, Mass.
John H. Graham & Co., New York.
C. E. Jennings & Co., New York.
North Brothers Manufacturing Company, Philadelphia, Pa.
Sargent & Co., New York.
Stanley Rule and Level Company, New Britain, Conn.
L. S. Starrett Company, Athol, Mass.
Tower & Lyon Company, New York.

2608—SCREW IRON.

Westerman & Co., Lockport, N. Y.
Zug & Co., Ltd., Pittsburg, Pa.

2609—SCREW PLATES.

Jarecki Manufacturing Company, Erie, Pa.
Morse Twist Drill and Machine Company, New Bedford, Mass.
Wells Bros. Company, Greenfield, Mass.

2610—SCREW STEEL.

The C. Pardee Works, Perth Amboy, N. J.
Union Drawn Steel Company, Beaver Falls, Pa.

2611—SCREWS, COACH AND LAG.

American Iron and Steel Manufacturing Company, Lebanon, Pa.
Chicago Screw Company, Chicago, Ill.
Columbus Bolt Works, Columbus, Ohio.
Graham Nut Company, Allegheny, Pa.
Hartford Machine Screw Company, Hartford, Conn.
William H. Haskell Manufacturing Company, Pawtucket, R. I.

2611—SCREWS, COACH AND LAG—Continued.

The Lamson & Sessions Company, Cleveland, Ohio.
Michigan Bolt and Nut Works, Detroit, Mich.
National-Acme Manufacturing Company, Cleveland, Ohio.
National Screw and Tack Company, Cleveland, Ohio.
Peck, Stow & Wilcox Company, Southington, Conn.
Upson Nut Company, Cleveland, Ohio.

2612—SCREWS, DRIVE.

American Iron and Steel Manufacturing Company, Lebanon, Pa.
Pittsburg Screw and Bolt Company, Pittsburg, Pa.

2613—SCREWS, MACHINE AND SET.

American Iron and Steel Manufacturing Company, Lebanon, Pa.
Chicago Screw Company, Chicago, Ill.
Columbus Bolt Works, Columbus, Ohio.
Detroit Screw Works, Detroit, Mich.
Graham Nut Company, Allegheny, Pa.
Hartford Machine Screw Company, Hartford, Conn.
William H. Haskell Manufacturing Company, Pawtucket, R. I.
Kirk-Latty Manufacturing Company, Cleveland, Ohio.
The Lamson & Sessions Company, Cleveland, Ohio.
National Acme Manufacturing Company, Cleveland, Ohio.
National Screw and Tack Company, Cleveland, Ohio.
Pittsburg Screw and Bolt Company, Pittsburg, Pa.
Upson Nut Company, Cleveland, Ohio.

2614—SCREWS, SPECIAL.

Blake & Johnson, Waterbury, Conn.
Chicago Screw Company, Chicago, Ill.
Detroit Screw Works, Detroit, Mich.
Eagle Bicycle Manufacturing Company, Torrington, Conn.
Graham Nut Company, Allegheny, Pa.
Grand Rapids Hand Screw Company, Grand Rapids, Mich.
Hartford Machine Screw Company, Hartford, Conn.
Kirk-Latty Manufacturing Company, Cleveland, Ohio.
National-Acme Manufacturing Company, Cleveland, Ohio.
National Screw and Tack Company, Cleveland, Ohio.

2615—SCREWS, WOOD.

Chicago Screw Company, Chicago, Ill.
Detroit Screw Works, Detroit, Mich.
Graham Nut Company, Allegheny, Pa.
Kirk-Latty Manufacturing Company, Cleveland, Ohio.
The Lamson & Sessions Company, Cleveland, Ohio.
National Screw and Tack Company, Cleveland, Ohio.
The Charles Parker Company, Meriden, Conn.
Peck, Stow & Wilcox Company, Southington, Conn.
Sandusky Tool Company, Sandusky, Ohio.

2616—SCRUBBERS, GAS WORKS.

Baker Iron Works, Los Angeles, Cal.
Bartlett, Hayward & Co., Baltimore, Md.
Kerr Murray Manufacturing Company, Fort Wayne, Ind.
Quintard Iron Works Company, New York.
Western Gas Construction Company, Fort Wayne, Ind.
R. D. Wood & Co., Philadelphia, Pa.

2617—SCYTHE SNATHS.

Iowa Farming Tool Company, Fort Madison, Iowa.

2618—SCYTHES.

Kelly Axe Manufacturing Company, Charleston, W. Va.
Wiebusch & Hilger, Ltd., New York.

2619—SEALS, METAL.

The J. F. Dorman Company, Baltimore, Md.

2620—SEARCHLIGHTS.

(See Stereopticons.)

2621—SEATING, CHURCH.

American School Furniture Company, Chicago, Ill.
The A. H. Andrews Company, Chicago, Ill.
R. O. Evans & Co., Owensboro, Ky.
New Jersey School-Church Furniture Company, Trenton, N. J.
Retting Furniture Company, Grand Rapids, Mich.

2622—SEATING, COURT HOUSE.

The Robert Mitchell Furniture Company, Cincinnati, Ohio.

2623—SEATING, FIREPROOF.

(See Fireproof Seating for Railway Cars.)

2624—SEATS, CAR.

American School Furniture Company, Chicago, Ill.
Hale & Kilburn Manufacturing Company, Philadelphia, Pa.
The Hamilton Manufacturing Company, Two Rivers, Wis.
St. Louis Car Company, St. Louis, Mo.

2625—SEATS, PRESSED STEEL.

Avery Stamping Company, Cleveland, Ohio.

2626—SEEDERS, RAISIN.

Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.

2627—SEEDS, GARDEN AND FIELD.

W. Atlee Burpee & Co., Philadelphia, Pa.

2628—SEPARATORS, CREAM.

The De Laval Separator Company, New York.
Iowa Dairy Separator Company, Waterloo, Iowa.
P. M. Sharples, West Chester, Pa.
Vermont Farm Machine Company, Bellows Falls, Vt.

2629—SEPARATORS, MAGNETIC.

George V. Cresson Company, Philadelphia, Pa.
Manning, Maxwell & Moore, New York.
J. W. Paxson Co., Philadelphia, Pa.
Sprout, Waldron & Co., Muncy, Pa.

2630—SEPARATORS, OIL.

Harrison Safety Boiler Works, Philadelphia, Pa.
Manning, Maxwell & Moore, New York.
T. Shriver & Co., New York.
Warren Webster & Co., Camden, N. J.

2631—SEPARATORS, STEAM.

(See Drying Apparatus, Steam.)

2632—SERGES.

American Woolen Company, Boston, Mass.
Astoria Silk Works, Long Island City, N. Y.

2632—SERGES—Continued.

Wm. Broadhead & Sons, Jamestown, N. Y.
Folwell, Bro. & Co., Inc., Philadelphia, Pa.
The Jamestown Worsted Mills, Jamestown, N. Y.
Lymansville Company, Providence, R. I.
National and Providence Worsted Mills, Providence, R. I.
Peace Dale Manufacturing Company, Peace Dale, R. I.
Southwark Mills Company, Philadelphia, Pa.
William Wood & Co., Philadelphia, Pa.

2633—SERUMS.

(See Biologic Products.)

2634—SETTEES.

(See Chairs.)

2635—SEWING MACHINE PARTS.

Standard Sewing Machine Company, Cleveland, Ohio.
Wheeler & Wilson Manufacturing Company, Bridgeport, Conn
J. B. Wise, Watertown, N. Y.

2636—SEWING MACHINE SUPPLIES.

Indiana Manufacturing Company, Peru, Ind.
Standard Sewing Machine Company, Cleveland, Ohio.
J. B. Wise, Watertown, N. Y.
The Homer Young Company, Toledo, Ohio.

2637—SEWING MACHINES.

(See Machines, Sewing.)

2638—SHADE CLOTH.

(See Hollands, Window.)

2639—SHADE ROLLERS, SPRING.

(See Rollers, Shade and Blind.)

2640—SHADES, GAS AND ELECTRIC LIGHT.

The Best Street Light Company, Canton, Ohio.
Gill Brothers Company, Steubenville, Ohio.
Gillinder & Sons, Inc., Philadelphia, Pa.
Gleason-Tiebout Glass Company, Brooklyn, N. Y.
The Hart Manufacturing Company, Hartford, Conn.
The Lippincott Glass Company, Alexandria, Ind.
National Glass Company, Pittsburg, Pa.
Pettingell-Andrews Company, Boston, Mass.
Phoenix Glass Company, Pittsburg, Pa.
Sargent Glass Company, Evansville, Ind.
Shelby Electric Company, Shelby, Ohio.
Tea Tray Company of Newark, Newark, N. J.

2641—SHADES, WINDOW.

The Western Shade Cloth Company, Chicago, Ill.

2642—SHAFTING.

Allis-Chalmers Company, Chicago, Ill.
American Machinery and Export Company, New York.
American Tool and Machine Company, Boston, Mass.
Barnard Manufacturing Company, Spokane, Wash.
Barnhart Brothers & Spindler, Chicago, Ill.
Bates Machine Company, Joliet, Ill.
Blymyer Iron Works Company, Cincinnati, Ohio.

2642—SHAFTING—Continued.

Charles Bond, Philadelphia, Pa.
The A. & F. Brown Company, New York.
W. E. Caldwell Company, Louisville, Ky.
Carnegie Steel Company, Pittsburg, Pa.
Chain Belt Company, Milwaukee, Wis.
George V. Cresson Company, Philadelphia, Pa.
Cumberland Steel Company, Cumberland, Md.
The Defiance Machine Works, Defiance, Ohio.
Dodge Manufacturing Company, Mishawaka, Ind.
Filer & Stowell Company, Milwaukee, Wis.
The Flynn & Emrich Company, Baltimore, Md.
Fulton Engine Works, Los Angeles, Cal.
Goldens' Foundry and Machine Company, Columbus, Ga.
The I. & E. Greenwald Company, Cincinnati, Ohio.
Hill Clutch Company, Cleveland, Ohio.
William E. Hill & Co., Kalamazoo, Mich.
Howard Iron Works, Buffalo, N. Y.
Illinois Steel Company, Chicago, Ill.
Inland Steel Company, Chicago, Ill.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Judson Manufacturing Company, San Francisco, Cal.
Lane Manufacturing Company, Montpelier, Vt.
Lane & Bodley Company, Cincinnati, Ohio.
James Leffel & Co., Springfield, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
Lombard Iron Works and Supply Company, Augusta, Ga.
Manning, Maxwell & Moore, New York.
Medart Patent Pulley Company, St. Louis, Mo.
Meese & Gottfried Company, San Francisco, Cal.
Midvale Steel Company, Philadelphia, Pa.
Minneapolis Steel and Machinery Company, Minneapolis, Minn.
Moore & White Company, Philadelphia, Pa.
Morse Twist Drill and Machine Company, New Bedford, Mass.
Munson Bros. Company, Utica, N. Y.
National Iron Company, West Duluth, Minn.
Nordyke & Marmon Company, Indianapolis, Ind.
The C. Pardee Works, Perth Amboy, N. J.
The Platt Iron Works Company, Dayton, Ohio.
Richmond City Mill Works, Richmond, Ind.
William Sellers & Co., Inc., Philadelphia, Pa.
H. B. Smith Machine Company, Smithville, N. J.
Sprout, Waldron & Co., Muncy, Pa.
Standard Roller Bearing Company, Philadelphia, Pa.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
H. N. Strait Manufacturing Company, Kansas City, Kan.
Taylor Iron and Steel Company, High Bridge, N. J.
John E. Thropp's Sons Co., Trenton, N. J.
Union Drawn Steel Company, Beaver Falls, Pa.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Wheland Machine Works, Chattanooga, Tenn.
The Wolf Company, Chambersburg, Pa.

2643—SHAFTING, FLEXIBLE.

Manning, Maxwell & Moore, New York.
Stow Manufacturing Company, Binghamton, N. Y.

2644—SHAFTS, CAR MOTOR.

Federal Manufacturing Company, Cleveland, Ohio.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
Taylor Iron and Steel Company, High Bridge, N. J.

2645—SHAFTS FOR VEHICLES.

The Pioneer Pole and Shaft Company, Piqua, Ohio.
Schubert Bros. Gear Company, Oneida, N. Y.
Von Behren Manufacturing Company, Evansville, Ind.

2646—SHAPERS.

Baird Machinery Company, Pittsburg, Pa.
W. F. & John Barnes Company, Rockford, Ill.
The Garvin Machine Company, New York.
Gould & Eberhardt, Newark, N. J.
Hendey Machine Company, Torrington, Conn.
Lodge & Shipley Machine Tool Company, Cincinnati, Ohio.
Manning, Maxwell & Moore, New York.
Morton Manufacturing Company, Muskegon Heights, Mich.
New Haven Manufacturing Company, New Haven, Conn.
Niles-Bement-Pond Company, New York.
Potter & Johnston Machine Company, Pawtucket, R. I.
F. E. Reed Company, Worcester, Mass.
William Sellers & Co., Inc., Philadelphia, Pa.
The Warner & Swasey Company, Cleveland, Ohio.

2647—SHAPERS, WOOD.

The Advance Machinery Company, Toledo, Ohio.
American Machinery and Export Company, New York.
American Wood Working Machinery Company, New York.
Baird Machinery Company, Pittsburg, Pa.
W. F. & John Barnes Company, Rockford, Ill.
The Berlin Machine Works, Beloit, Wis.
J. A. Fay & Egan Company, Cincinnati, Ohio.
Hall & Brown Wood Working Machine Company, St. Louis, Mo.
Manning, Maxwell & Moore, New York.
New Haven Manufacturing Company, New Haven, Conn.
The Ober Manufacturing Company, Chagrin Falls, Ohio.
H. B. Smith Machine Company, Smithville, N. J.
S. A. Woods Machine Company, South Boston, Mass.

2648—SHARPENERS, KNIFE AND SCYTHE.

The Abrasive Material Company, Philadelphia, Pa.
The Bridgeport Safety Emery Wheel Company, Bridgeport, Conn.
The Carborundum Company, Niagara Falls, N. Y.
Chicago Wheel and Manufacturing Company, Chicago, Ill.
Cleveland Stone Company, Cleveland, Ohio.
International Harvester Company of America, Chicago, Ill.
Manning, Maxwell & Moore, New York.
Norton Emery Wheel Company, Worcester, Mass.
Pike Manufacturing Company, Pike, N. H.
Wilcox Manufacturing Company, Aurora, Ill.
S. A. Woods Machine Company, South Boston, Mass.

2649—SHARPENERS, PENCIL.

F. S. Webster Company, Boston, Mass.

2650—SHARPENERS, PLOW DISK.

Benicia Iron Works, Benicia, Cal.
Diamond Machine Company, Providence, R. I.

2651—SHAVES, ICE.

C. E. Jennings & Co., New York.
North Brothers Manufacturing Company, Philadelphia, Pa.
L. & I. J. White Company, Buffalo, N. Y.

2652—SHAVES, TOBACCO.

John B. Adt, Baltimore, Md.
The Miller, Du Brul & Peters Manufacturing Company, Cincinnati, Ohio.
North Brothers Manufacturing Company, Philadelphia, Pa.
Wrightsville Hardware Company, Wrightsville, Pa.

2652a—SHEARS, BENCH.

(See also Tools, Tinsmiths'.)

Kimball Bros. & Sprague, Brockton, Mass.
A. A. Simonds & Son Company, Dayton, Ohio.

2653—SHEARS, HYDRAULIC.

Fischer Foundry and Machine Company, Pittsburg, Pa.
The Morgan Engineering Company, Alliance, Ohio.
United Engineering and Foundry Company, Pittsburg, Pa.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Watson-Stillman Company, New York.
R. D. Wood & Co., Philadelphia, Pa.

2654—SHEARS, POWER.

Chas. Beck Paper Company, Ltd., Philadelphia, Pa.
Birmingham Iron Foundry, Derby, Conn.
Buffalo Forge Company, Buffalo, N. Y.
J. G. Duke Machine Works, Memphis, Tenn.
Farrel Foundry and Machine Company, Ansonia, Conn.
Ferracute Machine Company, Bridgeton, N. J.
Fischer Foundry and Machine Company, Pittsburg, Pa.
A. Garrison Foundry Company, Pittsburg, Pa.
Golding Manufacturing Company, Boston, Mass.
William E. Hill & Co., Kalamazoo, Mich.
Long & Allstatter Company, Hamilton, Ohio.
Manning, Maxwell & Moore, New York.
Merrell Manufacturing Company, Toledo, Ohio.
The Morgan Engineering Company, Alliance, Ohio.
National Machinery Company, Tiffin, Ohio.
Niagara Machine and Tool Works, Buffalo, N. Y.
Niles-Bement-Pond Company, New York.
Peck, Stow & Wilcox Company, Southington, Conn.
J. M. Robinson Manufacturing Company, Cincinnati, Ohio.
William Sellers & Co., Inc., Philadelphia, Pa.
United Engineering and Foundry Company, Pittsburg, Pa.
Vulcan Foundry and Machine Company, New Castle, Pa.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Williams, White & Co., Moline, Ill.

2655—SHEARS AND SCISSORS.

Clayton Bros., New York.
The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
John H. Graham & Co., New York.
International Cutlery Company, Fremont, Ohio.
Henry T. Seymour Shear Company, New York.
Wiebusch & Hilger, Ltd., New York.
J. Wiss & Sons Co., Newark, N. J.

2656—SHEARS AND SCISSORS, STERLING SILVER OR SILVER PLATED.

(See also Toilet Goods, Silver.)

Hamilton & Hamilton, Jr., Providence, R. I.

2657—SHEARS, SHEEP.

Chicago Flexible Shaft Company, Chicago, Ill.
Curtis & Marble Machine Company, Worcester, Mass.
John H. Graham & Co., New York.

2658—SHEARS, SQUARING AND ROTARY.

Niagara Machine and Tool Works, Buffalo, N. Y.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

2659—SHEAVES, STEEL, ALL WROUGHT.

American Pulley Company, Philadelphia, Pa.

2660—SHEAVES, TACKLE BLOCK.

Boston and Lockport Block Company, Boston, Mass.
Detroit Shipbuilding Company, Detroit, Mich.
The I. & E. Greenwald Company, Cincinnati, Ohio.
Lambert Hoisting Engine Company, Newark, N. J.
Thomas Laughlin Company, Portland, Me.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Medart Patent Pulley Company, St. Louis, Mo.
Minneapolis Steel and Machinery Company, Minneapolis, Minn.
F. E. Myers & Bro., Ashland, Ohio.
Nordyke & Marmon Company, Indianapolis, Ind.
Piqua Handle and Manufacturing Company, Piqua, Ohio.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
Wilcox, Crittenden & Co., Middletown, Conn.
T. B. Wood's Sons, Chambersburg, Pa.
Wrightsville Hardware Company, Wrightsville, Pa.

2661—SHEEP DIP.

Barrett Manufacturing Company, New York.

2662—SHEET METAL STAMPING.

American Can Company, New York.
American Tube and Stamping Company, Bridgeport, Conn.
Anchor Stove and Range Company, Inc., Louisville, Ky.
The Avery Stamping Company, Cleveland, Ohio.
Brass Goods Manufacturing Company, Brooklyn, N. Y.
The W. J. Clark Company, Salem, Ohio.
Cleveland Stamping and Tool Company, Cleveland, Ohio.
Federal Manufacturing Company, Cleveland, Ohio.
Geuder & Paeschke Manufacturing Company, Milwaukee, Wis.
Grand Rapids Brass Company, Grand Rapids, Mich.
Peter Gray & Sons, Boston, Mass.
Hall & Carpenter, Philadelphia, Pa.
H. A. J. Helvig, New York.
Holbrook, Merrill & Stetson, San Francisco, Cal.
R. C. Jenkinson & Co., Newark, N. J.
The Kinnear & Gager Company, Columbus, O.
Lalance & Grosjean Manufacturing Company, New York.
F. H. Lawson Company, Cincinnati, Ohio.
National Enameling and Stamping Company, New York.
New York Stamping Company, Brooklyn, N. Y.
Rochester Stamping Company, Rochester, N. Y.
William Vogel & Brothers, Brooklyn, N. Y.

2662—SHEET METAL STAMPING—Continued.

The Jacob J. Vollrath Manufacturing Company, Sheboygan, Wis.
Waterbury Brass Company, Waterbury, Conn.
Wheeling Stamping Company, Wheeling, W. Va.
A. H. Wirz, Philadelphia, Pa.
J. B. Wise, Watertown, N. Y.

2663—SHEET AND PLATE METAL WORK.

(See also Ironwork, Plate and Sheet.)

American Can Company, New York.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Avery Stamping Company, Cleveland, Ohio.
E. B. Badger & Sons Company, Boston, Mass.
Bartlett, Hayward & Co., Baltimore, Md.
Berger Manufacturing Company, Canton, Ohio.
Bigelow Company, New Haven, Conn.
Brass Goods Manufacturing Company, Brooklyn, N. Y.
The W. J. Clark Company, Salem, Ohio.
Detroit Shipbuilding Company, Detroit, Mich.
Farrar & Trefts, Buffalo, N. Y.
Peter Gray & Sons, Boston, Mass.
Hall & Carpenter, Philadelphia, Pa.
H. A. J. Helvig, New York.
Hero Fruit Jar Company, Philadelphia, Pa.
Hoffman-Ahlers Company, Inc., Cincinnati, Ohio.
Holbrook, Merrill & Stetson, San Francisco, Cal.
The Ireland & Matthews Manufacturing Company, Detroit, Mich.
R. C. Jenkinson & Co., Newark, N. J.
Klauer Manufacturing Company, Dubuque, Iowa.
Lalance & Grosjean Manufacturing Company, New York.
Lamb & Ritchie, Cambridgeport, Mass.
James Lappan Manufacturing Company, Pittsburg, Pa.
F. H. Lawson Company, Cincinnati, Ohio.
David Lupton's Sons Company, Philadelphia, Pa.
Milliken Brothers, New York.
John Mohr & Sons, Chicago, Ill.
W. H. Mullins, Salem, Ohio.
National Enameling and Stamping Company, New York.
New York Stamping Company, Brooklyn, N. Y.
Newark Rivet Works, Newark, N. J.
Pennsylvania Engineering Works, New Castle, Pa.
Petroleum Iron Works Company, Washington, Pa.
Quintard Iron Works Company, New York.
Rochester Stamping Company, Rochester, N. Y.
Stuber & Kuck, Peoria, Ill.
Tippett & Wood, Phillipsburg, N. J.
John Trageser Steam Copper Works, New York.
Variety Iron Works Company, Cleveland, Ohio.
The Vermont Slate Company, Inc., Granville, N. Y.
William Vogel & Brothers, Brooklyn, N. Y.
Waterbury Brass Company, Waterbury, Conn.
Wheeling Stamping Company, Wheeling, W. Va.
A. H. Wirz, Philadelphia, Pa.

2664—SHEETS, COTTON.

The H. B. Claflin Company, New York.
Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y.

2665—SHEETINGS, OILED.

Seabury & Johnson, New York.
Standard Table Oil Cloth Company, New York.
A. J. Tower Company, Boston, Mass.

2666—SHELLERS AND CLEANERS, PEANUT.

The Cardwell Machine Company, Richmond, Va.
Huntley Manufacturing Company, Silver Creek, N. Y.

2667—SHELLERS AND HUSKERS, CORN.

Advance Thresher Company, Battle Creek, Mich.
C. O. Bartlett & Snow Company, Cleveland, Ohio.
Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Brinly-Hardy Company, Louisville, Ky.
A. Buch's Sons Company, Elizabethtown, Pa.
Cardwell Machine Company, Richmond, Va.
J. I. Case Threshing Machine Company, Racine, Wis.
Deere & Mansur Company, Moline, Ill.
A. B. Farquhar & Co., New York.
Foos Manufacturing Company, Springfield, Ohio.
The S. Freeman & Sons Manufacturing Company, Racine, Wis.
Goulds Manufacturing Company, Seneca Falls, N. Y.
Hench, Dromgold & Co., York, Pa.
Huntley Manufacturing Company, Silver Creek, N. Y.
International Harvester Company of America, Chicago, Ill.
Joliet Manufacturing Company, Joliet, Ill.
Keystone Farm Machine Company, York, Pa.
King & Hamilton Company, Ottawa, Ill.
Marseilles Manufacturing Company, Marseilles, Ill.
Nordyke & Marmon Company, Indianapolis, Ind.
The Ohio Cultivator Company, Bellevue, Ohio.
Parsons Band Cutter and Self-Feeder Company, Newton, Iowa.
Frank C. Patten Company, Sycamore, Ill.
Port Huron Engine and Thresher Company, Port Huron, Mich.
Richmond City Mill Works, Richmond, Ind.
Sandwich Manufacturing Company, Sandwich, Ill.
Sprout, Waldron & Co., Muncy, Pa.
Syracuse Chilled Plow Company, Syracuse, N. Y.
Union Iron Works, Decatur, Ill.

2668—SHELLERS, PEA.

Chattanooga Implement and Manufacturing Co., East Chattanooga, Tenn.
Huntley Manufacturing Company, Silver Creek, N. Y.

2669—SHELVING, LIBRARY.

Art Metal Construction Company, Jamestown, N. Y.
Library Bureau, Boston, Mass.
Royal Furniture Company, Grand Rapids, Mich.
The Van Dorn Iron Works Company, Cleveland, Ohio.

2670—SHINGLES.

Atlas Lumber and Shingle Company, Seattle, Wash.
Francis Beidler & Co., Chicago, Ill.
Louis Bossert & Son, Brooklyn, N. Y.
Briggs & Cooper Company, Ltd., Saginaw, Mich.
R. H. Downman, New Orleans, La.
The Ford River Lumber Company, Wells, Mich.
Fuller & Rice Lumber and Manufacturing Company, Grand Rapids, Mich.
Gardner & Lacey Lumber Company, Georgetown, S. C.
The Gebert Shingle Company, Ltd., New Iberia, La.

2670—SHINGLES—Continued.

Girard Lumber Company, Menominee, Mich.
Grays Harbor Commercial Company, San Francisco, Cal.
Hammond Lumber Company. San Francisco, Cal.
Charles C. Kellogg & Sons Company, Utica, N. Y.
McKay & Co., San Francisco, Cal.
McVay & Bolcom Lumber Company, Ballard, Wash.
Massee & Felton Lumber Company, Macon, Ga.
Mershon, Schuette, Parker & Co., Saginaw, Mich.
Minor Mill and Lumber Company, Arcata, Humboldt County, Cal.
Northwestern Lumber Company, Eau Claire, Wis.
Pacific Lumber Company, San Francisco, Cal.
Pine Tree Lumber Company, Little Falls, Minn.
John L. Roper Lumber Company, Norfolk, Va.
Ruddock Orleans Cypress Company, Ltd., New Orleans, La.
St. Paul and Tacoma Lumber Company, Tacoma, Wash.
Scott-Graff Lumber Company, Duluth, Minn.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.
Stimson Mill Company, Ballard, Wash.
Tacoma Mill Company, San Francisco, Cal.
Trinity River Lumber Company, Houston, Texas.
Wheeler & Dusenbury, Endeavor, Pa.
White River Lumber Company, Mason, Wis.

2671—SHINGLES, METAL.

Chattanooga Roofing and Foundry Company, Chattanooga, Tenn.
Merchant & Co., Inc., Philadelphia, Pa.

2672—SHIP CHANDLERY.

American Ship Windlass Company, Providence, R. I.
Boston and Lockport Block Company, Boston, Mass.
P. & F. Corbin, New Britain, Conn.
Detroit Shipbuilding Company, Detroit, Mich.
Fiske Brothers Refining Company, New York.
Peter Gray & Sons, Boston, Mass.
H. A. J. Helvig, New York.
Thomas Laughlin Company, Portland, Me.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
The "Long-Arm" System Company, Cleveland, Ohio.
James McKay & Co., Pittsburg, Pa.
R. McWilliams, Ltd., New Orleans, La.
The Sherwin-Williams Company, Cleveland, Ohio.
Standard Chain Company, Pittsburg, Pa.
Torrey Roller Bushing Works, Bath, Me.
Tubbs Cordage Company, San Francisco, Cal.
Union Petroleum Company, Philadelphia, Pa.
United and Globe Rubber Manufacturing Companies, Trenton, N. J.
The Vulcan Iron Works, Seattle, Wash.
Wilcox, Crittenden & Co., Middletown, Conn.

2673—SHIPS, IRON AND STEEL.

Atlantic Works, East Boston, Mass.
Chicago Ship Building Company, Chicago, Ill.
E. J. Codd Company, Baltimore, Md.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
Detroit Shipbuilding Company, Detroit, Mich.
Gas Engine and Power Co. and Charles L. Seabury & Co., New York.
Great Lakes Engineering Works, Detroit, Mich.
The Johnson Iron Works, Ltd., New Orleans, La.

2673—SHIPS, IRON AND STEEL—Continued.

Maryland Steel Company, Sparrow's Point, Md.
Moran Bros. Company, Seattle, Wash.
New York Ship Building Company, Camden, N. J.
Pennsylvania Steel Company, Philadelphia, Pa.
The Portland Company, Portland, Me.
Pusey & Jones Company, Wilmington, Del.
Racine Boat Manufacturing Company, Muskegon, Mich.
James Rees & Sons Company, Pittsburg, Pa.
Truscott Boat Manufacturing Company, St. Joseph, Mich.

2674—SHIPS, WOODEN.

Atlantic Works, East Boston, Mass.
Chicago Ship Building Company, Chicago, Ill.
Detroit Shipbuilding Company, Detroit, Mich.
Gas Engine and Power Co. and Charles L. Seabury & Co., New York.
The Johnson Iron Works, Ltd., New Orleans, La.
Moran Bros. Company, Seattle, Wash.
Racine Boat Manufacturing Company, Muskegon, Mich.
James Rees & Sons Company, Pittsburg, Pa.

2675—SHIRT WAISTS.

Galland Brothers, New York.
S. L. Munson, Albany, N. Y.
Nazareth Waist Company, Nazareth, Pa.
Standard Manufacturing Company, Boston, Mass.
Standard Manufacturing Company, Jackson, Mich.
Tim & Co., Inc., Troy, N. Y.
Tootle, Wheeler & Motter Mercantile Company, St. Joseph, Mo.

2676—SHIRTS, SILK.

(See Underwear, Silk.)

2677—SHIRTS, WHITE AND FANCY.

John S. Brittain Dry Goods Company, St. Joseph, Mo.
Cluett, Peabody & Co., Troy, N. Y.
Earle & Wilson, New York.
Fellows & Co., Troy, N. Y.
Hall, Hartwell & Co., Troy, N. Y.
Frank Howard Manufacturing Company, Atchison, Kan.
Hundley-Smith Dry Goods Company, St. Joseph, Mo.
Geo. P. Ide & Co., Troy, N. Y.
International Shirt and Collar Company, Troy, N. Y.
S. L. Munson, Albany, N. Y.
Reliance Manufacturing Company, Chicago, Ill.
Richardson, Roberts Dry Goods Company, St. Joseph, Mo.
H. Rosenblatt & Sons, Beloit, Wis.
Stahl, Urban & Co., Terre Haute, Ind.
Strawbridge & Clothier, Philadelphia, Pa.
Tim & Co., Inc., Troy, N. Y.
Tootle, Wheeler & Motter Mercantile Company, St. Joseph, Mo.
United Shirt and Collar Company, Troy, N. Y.
Van Zandt, Jacobs & Co., Troy, N. Y.
Wachusett Shirt Company, Leominster, Mass.

2678—SHIRTS, WOOL.

(See Underwear, Wool.)

2679—SHIRTS, WORK.

(See Clothing, Workingmen's.)

2680—SHODDY, WOOL.

Carman Manufacturing Company, Tacoma, Wash.
Norfolk Woolen Company, Franklin, Mass.
West Park Shoddy Mill, West Park, N. Y.

2681—SHOE-FACTORY SUPPLIES.

(See also Leather, etc.)

The Anchor Nail and Tack Works, Pittsburg, Pa.
Chattanooga Implement and Manufacturing Co., East Chattanooga, Tenn.
Crawford, McGregor & Canby Company, Dayton, Ohio.
Grand Crossing Tack Company, Chicago, Ill.
Graton & Knight Manufacturing Company, Worcester, Mass.
Grieb Rubber Company, Philadelphia, Pa.
Hervey E. Guptill, Haverhill, Mass.
Hoggson & Pettis Manufacturing Company, New Haven, Conn.
Frank Miller Company, New York.
Page Belting Company, Concord, N. H.
The Sewing Machine Supplies Company, Boston, Mass.
Webster & Co., Boston, Mass.
I. B. Williams & Sons, Dover, N. H.

2682—SHOES.

(See Boots and Shoes.)

2683—SHOES, CUSHIONED SOLE.

The Cummings Company, Worcester, Mass.
McCord, Harlow Shoe Company, St. Joseph, Mo.

2684—SHOES, FELT.

The Davis Boot and Shoe Company, Boston, Mass.
W. C. Lewis Shoe Company, Haverhill, Mass.

2685—SHOES, HORSE AND MULE.

American Horse Shoe Company, Phillipsburg, N. J.
Bryden Horse Shoe Company, Catasauqua, Pa.
Phoenix Horse Shoe Company, Poughkeepsie, N. Y.

2686—SHOES, RUBBER.

(See Boots and Shoes, Rubber.)

2687—SHOOKS, BARREL.

Cincinnati Cooperage Company, Cincinnati, Ohio.
Menasha Woodenware Company, Menasha, Wis.
The Parkersburg Mill Company, Parkersburg, W. Va.
Pioneer Cooperage Company, Chicago, Ill.
H. D. Williams Cooperage Company, Poplar Bluff, Mo.

2688—SHOOKS, BOX.

Anderson-Tully Company, Memphis, Tenn.
Louis Bossert & Son, Brooklyn, N. Y.
J. H. Duker Box Company, Baltimore, Md.
Grays Harbor Commercial Company, San Francisco, Cal.
McFerson & Foster, Evansville, Ind.
The Ohio Cooperage Company, Cleveland, Ohio.
Paepcke-Leicht Lumber Company, Chicago, Ill.
George G. Page Box Company, Cambridge, Mass.
C. A. Smith Lumber Company, Minneapolis, Minn.
F. M. West Box Company, Springfield, Mass.

2689—SHOP FURNITURE.

S. F. Bowser & Co., Fort Wayne, Ind.
The Challenge Machinery Company, Grand Haven, Mich.
W. J. Clark Company, Salem, Ohio.
Cleveland Wire Spring Company, Cleveland, Ohio.
Golding Manufacturing Company, Boston, Mass.
The Hamilton Manufacturing Company, Two Rivers, Wis.
C. E. Jennings & Co., New York.
Merritt & Co., Inc., Philadelphia, Pa.
National Novelty Corporation, New York.
The New Britain Machine Company, New Britain, Conn.

2690—SHOT.

California Powder Works, San Francisco, Cal.
Colwell Lead Company, New York.

2691—SHOTGUNS.

John H. Graham & Co., New York.
Harrington & Richardson Arms Company, Worcester, Mass.
M. Hartley Company, New York.
The Hopkins and Allen Arms Company, Norwich, Conn.
Hunter Arms Company, Fulton, N. Y.
The Charles Parker Company, Meriden, Conn.
J. Stevens Arms and Tool Company, Chicopee Falls, Mass.

2692—SHOVELS AND SPADES.

Oliver Ames & Sons Corporation, North Easton, Mass.
The Avery Stamping Company, Cleveland, Ohio.
William Chisholm & Sons, Cleveland, Ohio.
Collins & Co., New York.
Hussey-Binns Shovel Company, Pittsburg, Pa.
Indiana Rolling Mill Company, New Castle, Ind.
Kelley, Maus & Co., Chicago, Ill.
F. E. Kohler & Co., Canton, Ohio.
Owosso Manufacturing Company, Owosso, Mich.

2693—SHOVELS, OX.

Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.

2694—SHOVELS, STEAM.

The Bucyrus Company, South Milwaukee, Wis.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Marion Steam Shovel Company, Marion, Ohio.
The Vulcan Iron Works Company, Toledo, Ohio.
C. A. Warren & Co., San Francisco, Cal.
Western Wheeled Scraper Company, Aurora, Ill.

2695—SHOVELS, STOVE.

The Ireland & Matthews Manufacturing Company, Detroit, Mich.
Kilbourne Manufacturing Company, Troy, N. Y.
F. E. Kohler & Co., Canton, Ohio.
New York Stamping Company, Brooklyn, N. Y.
Peck, Stow & Wilcox Company, Southington, Conn.
Troy Nickel Works and Albany Foundry Company, Albany, N. Y.

2696—SHOW CASES.

F. X. Ganter, Baltimore, Md.
Grand Rapids Hand Screw Company, Grand Rapids, Mich.
Grand Rapids Show Case Company, Grand Rapids, Mich.
J. P. Paulson, Denver, Col.
Wabash Cabinet Company, Wabash, Ind.

2697—SHREDDERS, CORN.

Advance Thresher Company, Battle Creek, Mich.
J. I. Case Threshing Machine Company, Racine, Wis.
Deere & Mansur Company, Moline, Ill.
International Harvester Company of America, Chicago, Ill.
Keystone Farm Machine Company, York, Pa.
Parsons Band Cutter and Self-Feeder Company, Newton, Iowa.

2698—SHREDDERS, FODDER.

A. Buch's Sons Company, Elizabethtown, Pa.
Keystone Farm Machine Company, York, Pa.
Silver Manufacturing Company, Salem, Ohio.

2699—SHUFFLEBOARDS.

(See Game Boards.)

2700—SHUTTERS, IRON AND STEEL.

The Champion Iron Company, Kenton, Ohio.
The Kinnear Manufacturing Company, Columbus, Ohio.
The Kinnear & Gager Company, Columbus, Ohio.
Merritt & Co., Inc., Philadelphia, Pa.
Milliken Brothers, New York.
The Standard Company, Chicago, Ill.
The Van Dorn Iron Works Company, Cleveland, Ohio.
Jas. G. Wilson Manufacturing Company, New York.

2701—SHUTTERS, PHOTOGRAPHIC.

Bausch & Lomb Optical Company, Rochester, N. Y.
Eastman Kodak Company, Rochester, N. Y.
Wollensak Optical Co., Rochester, N. Y.

2702—SHUTTERS, ROLLING.

The Kinnear Manufacturing Company, Columbus, Ohio.
Milliken Brothers, New York.
The Van Dorn Iron Works Company, Cleveland, Ohio.
Jas. G. Wilson Manufacturing Company, New York.

2703—SIDEBOARDS.

Acme Kitchen Furniture Company, Chattanooga, Tenn.
Berkey & Gay Furniture Company, Grand Rapids, Mich.
Carman Manufacturing Company, Tacoma, Wash.
Doernbecher Manufacturing Company, Portland, Ore.
Emrich Furniture Company, Evansville, Ind.
Evansville Furniture Company, Evansville, Ind.
National Novelty Corporation, New York.
Nelson-Matter Furniture Company, Grand Rapids, Mich.
New England Furniture Company, Grand Rapids, Mich.
Phoenix Furniture Company, Grand Rapids, Mich.
Seattle Mattress and Upholstery Company, Seattle, Wash.
Shelbyville Wardrobe Manufacturing Company, Shelbyville, Ind.
Skandia Furniture Company, Rockford, Ill.
Stout & Wilson Furniture Company, Salem, Ind.

2704—SIDING, METALLIC.

The American Rolling Mill Company, Middletown, Ohio.
American Sheet and Tin Plate Company, Pittsburg, Pa.
Berger Manufacturing Company, Canton, Ohio.
The Kinnear & Gager Company, Columbus, Ohio.
Klauer Manufacturing Company, Dubuque, Iowa.

2704—SIDING, METALLIC—Continued.

Merritt & Co., Inc., Philadelphia, Pa.
Milliken Brothers, New York.
W. H. Mullins, Salem, Ohio.
Muskingum Valley Steel Company, Zanesville, Ohio.
Allan Wood Iron and Steel Company, Philadelphia, Pa.

2705—SIEVES AND SIFTERS, FLOUR.

(See Bolters and Graders for Flour.)

2706—SIFTERS, SAND.

(See Machinery, Sand Mixing and Sifting.)

2707—SIGHTS, TELESCOPE, FOR RIFLES.

J. Stevens Arms and Tool Company, Chicopee Falls, Mass.

2708—SIGNALS, RAILWAY CROSSING.

Railway Appliances Company, Chicago, Ill.

2709—SIGNALS, SHIP.

Peter Gray & Sons, Boston, Mass.
Sneath Glass Company, Hartford City, Ind.

2710—SIGNS, ADVERTISING.

American Can Company, New York.
The H. D. Beach Company, Coshocton, Ohio.
Bemis Bro. Bag Company, St. Louis, Mo.
The Calvert Lithographing Company, Detroit, Mich.
The Cleveland-Akron Bag Company, Cleveland, Ohio.
Columbia Can Company, St. Louis, Mo.
The J. F. W. Dorman Company, Baltimore, Md.
Fay Engraving Company, Utica, N. Y.
The Gugler Lithographic Company, Milwaukee, Wis.
The Hylo Lamp Company, Detroit, Mich.
The Meek Company, Coshocton, Ohio.
Milwaukee Bag Company, Milwaukee, Wis.
Strobridge Lithographing Company, Cincinnati, Ohio.
Troy Carriage Sun Shade Company, Troy, Ohio.
United States Printing Company, Cincinnati, Ohio.

2711—SIGNS, ELECTRICAL.

The Hylo Lamp Company, Detroit, Mich.
Pass & Seymour, Inc., Solvay, N. Y.

2712—SIGNS, ROAD.

Philadelphia White Bronze Monument Company, Philadelphia, Pa.

2713—SILICA.

Harbison-Walker Refractories Company, Pittsburg, Pa.
John Lucas & Co., Philadelphia, Pa.

2714—SILK AND COTTON MIXED FABRICS.

Aberfoyle Manufacturing Company, Chester, Pa.
Manville Company, Providence, R. I.
Salt's Textile Manufacturing Company, New York.
Sauquoit Silk Manufacturing Company, Nicetown, Philadelphia, Pa.
Susquehanna Silk Mills, New York.
Ypsilanti Underwear Company, Ypsilanti, Mich.

2715—SILK, SEWING.

Brainerd & Armstrong Company, New London, Conn.
A. H. Rice & Co., Pittsfield, Mass.

2716—SILK, THROWN.

Brainerd & Armstrong Company, New London, Conn.
Cheney Brothers, Inc., South Manchester, Conn.
Dexter, Lambert & Co., Paterson, N. J.
The Read & Lovatt Manufacturing Company, New York.
Sauquoit Silk Manufacturing Company, Nicetown, Philadelphia, Pa.
York Silk Manufacturing Company, York, Pa.

2717—SILKS, DRESS.

(See Dress Goods, Silk.)

2718—SILKS, NECKTIE.

Cheney Brothers, Inc., South Manchester, Conn.
The Doherty & Wadsworth Company, Paterson, N. J.
Fichter & Martin, Bethlehem, Pa.

2719—SILKS, UMBRELLA, SURGICAL AND INSULATING.

The Cedar Cliff Silk Company, Paterson, N. J.
Sauquoit Silk Manufacturing Company, Nicetown, Philadelphia, Pa.

2720—SILOS.

Kalamazoo Tank and Silo Company, Kalamazoo, Mich.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.

2721—SILVER BULLION.

American Smelting and Refining Company, New York.
Balbach Smelting and Refining Company, Newark, N. J.
Tacoma Smelting Company, Tacoma, Wash.
Union Metal Company, San Francisco, Cal.
United States Reduction and Refining Company, Colorado Springs, Col.
United States Smelting Company, Salt Lake City, Utah.

2722—SILVER MATTE.

The Kendrick Promotion Company, Denver, Col.

2723—SILVERWARE, PLATED.

M. S. Benedict Manufacturing Company, East Syracuse, N. Y.
Gorham Manufacturing Company, New York.
Hero Fruit Jar Company, Philadelphia, Pa.
International Silver Company, Meriden, Conn.
The Jennings Brothers Manufacturing Company, Bridgeport, Conn.
Ontario Silver Company, Muncie, Ind.
Reed & Barton, Taunton, Mass.
Rockford Silver Plate Company, Rockford, Ill.
Simeon L. & George H. Rogers Company, Hartford, Conn.
R. Wallace & Son's Manufacturing Company, Wallingford, Conn.
Whiting Manufacturing Company, New York.
Woodman-Cook Company, Portland, Me.

2724—SILVERWARE, STERLING.

Eckfeldt & Ackley, Newark, N. J.
Theodore W. Foster & Bro. Company, Providence, R. I.
Gorham Manufacturing Company, New York.
Hamilton & Hamilton, Jr., Providence, R. I.
International Silver Company, Meriden, Conn.
The Jennings Brothers Manufacturing Company, Bridgeport, Conn.
William Loeb & Co., Providence, R. I.
Reed & Barton, Taunton, Mass.
Waite, Thresher Company, Providence, R. I.
R. Wallace & Son's Manufacturing Company, Wallingford, Conn.
Webster Company, North Attleboro, Mass.
Whiting Manufacturing Company, New York.

2725—SINKERS, DIE.

(See Machinery, Die Sinking.)

2726—SINKS, COPPER.

John Trageser Steam Copper Works, New York.

2727—SINKS, ENAMELED IRON.

The Cahill Iron Works, Chattanooga, Tenn.
J. M. Kohler Sons Company, Sheboygan, Wis.
Lalance & Grosjean Manufacturing Company, New York.
The J. L. Mott Iron Works, New York.
National Enameling and Stamping Company, New York.
The Peck Brothers & Co., New Haven, Conn.
Standard Sanitary Manufacturing Company, Pittsburg, Pa.
L. Wolff Manufacturing Company, Chicago, Ill.

2728—SINKS, SOLID PORCELAIN.

Gladding, McBean & Co., San Francisco, Cal.
The J. L. Mott Iron Works, New York.
Trenton Potteries Company, Trenton, N. J.
L. Wolff Manufacturing Company, Chicago, Ill.

2729—SINKS AND TROUGHS, CAST IRON.

A. Buch's Sons Company, Elizabethtown, Pa.
W. J. Clark Company, Salem, Ohio.
Christopher Cunningham, Brooklyn, N. Y.
Kelly Foundry and Machine Company, Goshen, Ind.
Nordyke & Marmon Company, Indianapolis, Ind.
A. L. Swett Iron Works, Medina, N. Y.
The Van Dorn Iron Works Company, Cleveland, Ohio.

2730—SINKS AND TROUGHS, STEEL.

A. Buch's Sons Company, Elizabethtown, Pa.
W. J. Clark Company, Salem, Ohio.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Lalance & Grosjean Manufacturing Company, New York.
The J. L. Mott Iron Works, New York.
National Enameling and Stamping Company, New York.
The Van Dorn Iron Works Company, Cleveland, Ohio.
L. Wolff Manufacturing Company, Chicago, Ill.

2731—SIZING, PAPER.

Arabol Manufacturing Company, New York.

2732—SIZING, TEXTILE.

(See Textile Sizing.)

2733—SKATES.

Avery Stamping Company, Cleveland, Ohio.

2734—SKEWERS.

Spencer Wire Company, Worcester, Mass.
Weis & Lesh Manufacturing Company, Muncie, Ind.

2735—SKIPS, DUMP.

Globe Iron Works, Stockton, Cal.
Jeffrey Manufacturing Company, Columbus, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
A. Lucas & Sons, Peoria, Ill.
McMyler Manufacturing Company, Cleveland, Ohio.
Manning, Maxwell & Moore, New York.

2735—SKIPS, DUMP—Continued.

National Iron Company, West Duluth, Minn.
Northern Engineering Works, Detroit, Mich.
C. A. Warren & Co., San Francisco, Cal.
Whiting Foundry Equipment Company, Harvey, Ill.

2736—SKIRT SUPPORTERS.

DeLong Hook and Eye Company, Philadelphia, Pa.

2737—SKIRTS, SEPARATE.

Strawbridge & Clothier, Philadelphia, Pa.
Zanesville Woolen Manufacturing Company, Zanesville, Ohio.

2738—SKYLIGHTS.

E. B. Badger & Sons Company, Boston, Mass.
Berger Manufacturing Company, Canton, Ohio.
Chattanooga Roofing and Foundry Company, Chattanooga, Tenn.
Klauer Manufacturing Company, Dubuque, Iowa.
David Lupton's Sons Company, Philadelphia, Pa.
W. H. Mullins, Salem, Ohio.

2739—SLABS, MARBLE.

The Evans Marble Company, Baltimore, Md.
The Georgia Marble Company, Tate, Ga.
Hilgartner Marble Company, Baltimore, Md.
The Kennesaw Marble Company, Marietta, Ga.
Republic Marble Company, Knoxville, Tenn.
L. Wolff Manufacturing Company, Chicago, Ill.

2740—SLATE.

J. S. Moyer & Co., Bethlehem, Pa.
The Vermont Slate Company, Inc., Granville, N. Y.

2741—SLATES, SCHOOL.

J. S. Moyer & Co., Bethlehem, Pa.
Standard Table Oil Cloth Company, New York.

2742—SLEDS, COASTING.

S. L. Allen & Co., Philadelphia, Pa.
National Novelty Corporation, New York.

2743—SLEEPERS.

(See Ties, Railway.)

2744—SLEIGH RUNNERS.

Lansing Wheelbarrow Company, Lansing, Mich.
Michigan Buggy Company, Kalamazoo, Mich.
Schubert Bros. Gear Company, Oneida, N. Y.

2745—SLEIGHS.

S. E. Bailey & Co., Lancaster, Pa.
The Belknap Wagon Company, Grand Rapids, Mich.
Fuller Buggy Company, Jackson, Mich.
Michigan Buggy Company, Kalamazoo, Mich.
National Novelty Corporation, New York.
Schubert Bros. Gear Company, Oneida, N. Y.
R. D. Scott & Co., Pontiac, Mich.

2746—SLIPPERS.

A. J. Bates & Co., New York.
B. E. Cole & Co., Boston, Mass.
Curtis & Jones Company, Reading, Pa.

2746—SLIPPERS—Continued.

Dunn & McCarthy, Auburn, N. Y.
Charles K. Fox, Haverhill, Mass.
Gale Shoe Manufacturing Company, Haverhill, Mass.
The H. C. Godman Company, Columbus, Ohio.
Hazen B. Goodrich & Co., Haverhill, Mass.
Hervey E. Guptill, Haverhill, Mass.
Hamilton-Brown Shoe Company, St. Louis, Mo.
Harrisburg Shoe Manufacturing Company, Harrisburg, Pa.
Hilliard & Tabor, Haverhill, Mass.
The S. H. Howe Shoe Company, Boston, Mass.
Julian & Kokenge Company, Cincinnati, Ohio.
Krippendorf-Dittmann Company, Cincinnati, Ohio.
Krohn, Fechheimer & Co., Cincinnati, Ohio.
W. C. Lewis Shoe Company, Haverhill, Mass.
Luddy & Currier, Lynn, Mass.
Moloney Brothers Company, Rochester, N. Y.
T. S. Ruddock & Son, Haverhill, Mass.
Walter H. Tuttle Company, Lynn, Mass.
Utz & Dunn, Rochester, N. Y.
Wolf Bros. & Co., Cincinnati, Ohio.

2747—SLOTTERS.

Baird Machinery Company, Pittsburg, Pa.
Betts Machine Company, Wilmington, Del.
Brown & Sharpe Manufacturing Company, Providence, R. I.
Jas. Clark, Jr., & Co., Louisville, Ky.
The Garvin Machine Company, New York.
Manning, Maxwell & Moore, New York.
Morton Manufacturing Company, Muskegon Heights, Mich.
National-Acme Manufacturing Company, Cleveland, Ohio.
New Haven Manufacturing Company, New Haven, Conn.
Niles-Bement-Pond Company, New York.
William Sellers & Co., Inc., Philadelphia, Pa.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

2748—SMELTERS AND REFINERS.

Balbach Smelting and Refining Company, Newark, N. J.
Duquesne Reduction Company, Pittsburg, Pa.
The Kendrick Promotion Company, Denver, Col.
Annie Laurie Mining Company, Kimberly, Utah.
Tacoma Smelting Company, Tacoma, Wash.
Union Metal Company, San Francisco, Cal.
United States Reduction and Refining Company, Colorado Springs, Col.
United States Smelting Company, Salt Lake City, Utah.

2749—SMOKE HELMETS.

Vajen-Bader Company, Richmond, Ind.

2750—SMOKE JACKS.

Illinois Malleable Iron Company, Chicago, Ill.
Jackes-Evans Manufacturing Company, St. Louis, Mo.

2751—SMOKERS, HIVE.

The A. I. Root Company, Medina, Ohio.

2752—SMOKESTACKS, IRON AND STEEL.

The Aultman & Taylor Machinery Company, Mansfield, Ohio.
John Brennan & Co., Inc., Detroit, Mich.
Broomell, Schmidt & Steacy Company, York, Pa.

2752—SMOKESTACKS, IRON AND STEEL—Continued.

Caird & Hawksworth, Helena, Mont.
The W. J. Clark Company, Salem, Ohio.
E. J. Codd Company, Baltimore, Md.
The J. D. Connell Iron Works, New Orleans, La.
Christopher Cunningham, Brooklyn, N. Y.
Harrisburg Manufacturing and Boiler Company, Harrisburg, Pa.
L. O. Koven & Brothers, New York.
James Lappan Manufacturing Company, Pittsburg, Pa.
Logan Iron Works, Brooklyn, N. Y.
Lombard Iron Works and Supply Company, Augusta, Ga.
James McNeil & Bro. Company, Pittsburg, Pa.
R. S. Newbold & Son Company, Norristown, Pa.
Petroleum Iron Works Company, Washington, Pa.
The Reeves Brothers Company, Alliance, Ohio.
The Stirling Company, Chicago, Ill.
The Titusville Iron Company, Titusville, Pa.
Variety Iron Works Company, Cleveland, Ohio.
Henry Vogt Machine Company, Louisville, Ky.

2753—SNOW PLOWS AND SWEEPERS.

J. G. Brill Company, Philadelphia, Pa.
McGuire-Cummings Manufacturing Company, Chicago, Ill.
Peckham Manufacturing Company, New York.
Wason Manufacturing Company, Springfield, Mass.

2754—SOAP, COTTON OIL.

American Cotton Oil Company, New York.
The N. K. Fairbank Company, Chicago, Ill.
Kentucky Refining Company, Louisville, Ky.
The Southern Cotton Oil Company, New York.

2755—SOAP, HARNESS.

American Cotton Oil Company, New York.
Larkin Co., Buffalo, N. Y.
Frank Miller Company, New York.

2756—SOAPS, LAUNDRY.

American Cotton Oil Company, New York.
Armour & Co., Chicago, Ill.
J. Eavenson & Sons, Philadelphia, Pa.
The N. K. Fairbank Company, Chicago, Ill.
Fels & Co., Philadelphia, Pa.
Kentucky Refining Company, Louisville, Ky.
Larkin Co., Buffalo, N. Y.
Lautz Brothers & Co., Buffalo, N. Y.
Philadelphia Quartz Company, Philadelphia, Pa.
Procter & Gamble Company, Cincinnati, Ohio.
Swift and Company, Chicago, Ill.
The M. Werk Company, Cincinnati, Ohio.

2757—SOAPS, MEDICATED.

Larkin Co., Buffalo, N. Y.
Seabury & Johnson, New York.
Swanson Rheumatic Cure Company, Chicago, Ill.

2758—SOAP, OLIVE OIL.

Franklin H. Kalbfleisch Company, New York.

2759—SOAP POWDERS.

The N. K. Fairbank Company, Chicago, Ill.
Larkin Co., Buffalo, N. Y.
D. M. Steward Manufacturing Company, Chattanooga, Tenn.
The M. Werk Company, Cincinnati, Ohio.

2760—SOAP, SCOURING AND SCRUBBING.

J. Eavenson & Sons, Philadelphia, Pa.
Fels & Co., Philadelphia, Pa.
Larkin Co., Buffalo, N. Y.
D. M. Steward Manufacturing Company, Chattanooga, Tenn.

2761—SOAP STOCK.

American Cotton Oil Company, New York.
The Southern Cotton Oil Company, New York.
The M. Werk Company, Cincinnati, Ohio.

2762—SOAPS FOR TEXTILE INDUSTRIES.

Arabol Manufacturing Company, New York.
F. E. Atteaux & Co., Boston, Mass.
J. Eavenson & Sons, Philadelphia, Pa.
Franklin H. Kalbfleisch Company, New York.
Philadelphia Quartz Company, Philadelphia, Pa.
The M. Werk Company, Cincinnati, Ohio.

2763—SOAPS, TOILET.

American Cotton Oil Company, New York.
Armour & Co., Chicago, Ill.
J. Eavenson & Sons, Philadelphia, Pa.
The N. K. Fairbank Company, Chicago, Ill.
Fels & Co., Philadelphia, Pa.
Hall & Ruckel, New York.
Kentucky Refining Company, Louisville, Ky.
Larkin Co., Buffalo, N. Y.
Lautz Brothers & Co., Buffalo, N. Y.
Procter & Gamble Company, Cincinnati, Ohio.
Swift and Company, Chicago, Ill.

2764—SOAPSTONE.

(See also Talc.)
D. M. Steward Manufacturing Company, Chattanooga, Tenn.

2765—SODA ASH.

Columbia Chemical Company, Pittsburg, Pa.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

2766—SODA, CAUSTIC.

Columbia Chemical Company, Pittsburg, Pa.
Franklin H. Kalbfleish Company, New York.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

2767—SODA, CLUB.

Hygeia Distilled Water Company, New York.

2768—SODA, SAL.

Church & Dwight Company, New York.
Franklin H. Kalbfleisch Company, New York.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
Philadelphia Quartz Company, Philadelphia, Pa.

2769—SODA WATER CHARGING APPARATUS.

(See Carbonating Apparatus.)

2770—SODIUM BICARBONATE.

Church & Dwight Company, New York.
Franklin H. Kalbfleisch Company, New York.
Liquid Carbonic Company, Chicago, Ill.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

2771—SODIUM BICHROMATE.

Anatron Chemical Company, New York.
Franklin H. Kalbfleisch Company, New York.

2772—SODIUM HYPOSULPHITE AND BISULPHITE.

Cochrane Chemical Company, Boston, Mass.
Grasselli Chemical Company, New York.
Mallinckrodt Chemical Works, St. Louis, Mo.
Merrimac Chemical Company, Boston, Mass.

2773—SODIUM NITRATE.

Austin Powder Company, Cleveland, Ohio.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

2774—SODIUM PHOSPHATE.

Franklin H. Kalbfleisch Company, New York.

2775—SODIUM SALICYLATE.

The Heyden Chemical Works, New York.
William R. Warner & Co., Philadelphia, Pa.

2776—SODIUM SILICATE.

Cochrane Chemical Company, Boston, Mass.
Grasselli Chemical Company, New York.
Franklin H. Kalbfleisch Company, New York.
Philadelphia Quartz Company, Philadelphia, Pa.

2777—SODIUM SULPHATE.

Cochrane Chemical Company, Boston, Mass.
Grasselli Chemical Company, New York.
Franklin H. Kalbfleisch Company, New York.
Charles Lennig & Co., Inc., Philadelphia, Pa.
United Zinc and Chemical Company, Kansas City, Mo.
The Western Chemical Manufacturing Company, Denver, Col.

2778—SODIUM SULPHITE.

Grasselli Chemical Company, New York.

2779—SOLDER.

Berger Manufacturing Company, Canton, Ohio.
Colwell Lead Company, New York.
Fleck Brothers Company, Philadelphia, Pa.
Merchant & Co., Inc., Philadelphia, Pa.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
Scovill Manufacturing Company, Waterbury, Conn.

2780—SOLDER, JEWELERS'.

B. A. Ballou & Co., Providence, R. I.
Geo. H. Fuller & Son Company, Pawtucket, R. I.
Hamilton & Hamilton, Jr., Providence, R. I.

2781—SOLDERING FLUX.

Cochrane Chemical Company, Boston, Mass.
Grasselli Chemical Company, New York.

2782—SOLES AND HEELS.

American Oak Leather Company, Cincinnati, Ohio.
Graton & Knight Manufacturing Company, Worcester, Mass.
Page Belting Company, Concord, N. H.
Pfister & Vogel Leather Company, Milwaukee, Wis.

2783—SOLES, RUBBER.

B. F. Goodrich Company, Akron, Ohio.
Grieb Rubber Company, Philadelphia, Pa.

2784—SORTERS, POTATO.

Aspinwall Manufacturing Company, Jackson, Mich.
The Hoover-Prout Company, Avery, Ohio.

2785—SOUPS, CANNED.

The American Preserve Company, Philadelphia, Pa.
Armour & Co., Chicago, Ill.
Joseph Campbell Company, Camden, N. J.
Curtice Bros. Company, Rochester, N. Y.
H. J. Heinz Company, Pittsburg, Pa.
Tuhey Canning Company, Muncie, Ind.
Van Camp Packing Company, Indianapolis, Ind.

2786—SOWERS, SEED.

S. L. Allen & Co., Philadelphia, Pa.
American Seeding Machine Company, Springfield, Ohio.
Benicia Iron Works, Benicia, Cal.
Deere & Mansur Company, Moline, Ill.
Emerson Manufacturing Company, Rockford, Ill.
Goodell Company, Antrim, N. H.
International Harvester Company of America, Chicago, Ill.
Keystone Farm Machine Company, York, Pa.
Moline Plow Company, Moline, Ill.
Monitor Drill Company, St. Louis Park, Minn.
Rock Island Plow Company, Rock Island, Ill.

2787—SPADES.

(See Shovels and Spades.)

2788—SPARS.

Tacoma Mill Company, San Francisco, Cal.
Wheeler & Dusenbury, Endeavor, Pa.

2789—SPECTACLES AND EYEGLASSES.

(See Eyeglasses and Spectacles.)

2790—SPELTER.

American Smelting and Refining Company, New York.
Granby Mining and Smelting Company, St. Louis, Mo.
Hendricks Brothers, New York.
Mineral Point Zinc Company, Chicago, Ill.
New Jersey Zinc Company, New York.
United Zinc and Chemical Company, Kansas City, Mo.

2791—SPICES.

A. Colburn Company, Philadelphia, Pa.
B. Fischer & Co., New York.

2791—SPICES—Continued.

E. C. Hazard & Co., New York.
Francis H. Leggett & Co., New York.
Tone Brothers, Des Moines, Iowa.

2792—SPIEGELEISEN.

Carnegie Steel Company, Pittsburg, Pa.
New Jersey Zinc Company, New York.

2793—SPIKES, BOAT, WHARF, ETC.

American Iron and Steel Manufacturing Company, Lebanon, Pa.
Davis Brothers Rolling Mill and Spike Works, Philadelphia, Pa.
Dilworth, Porter & Co., Ltd., Pittsburg, Pa.
Judson Manufacturing Company, San Francisco, Cal.
Republic Iron and Steel Company, Chicago, Ill.
Salem Nail Company, New York.

2794—SPIKES, CUT.

Charles L. Bailey & Co., Inc., Harrisburg, Pa.
Judson Manufacturing Company, San Francisco, Cal.
Salem Nail Company, New York.

2795—SPIKES, RAILROAD.

American Iron and Steel Manufacturing Company, Lebanon, Pa.
Davis Brothers Rolling Mill and Spike Works, Philadelphia, Pa.
Dilworth, Porter & Co., Ltd., Pittsburg, Pa.
Illinois Steel Company, Chicago, Ill.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Judson Manufacturing Company, San Francisco, Cal.
Republic Iron and Steel Company, Chicago, Ill.
Salem Nail Company, New York.

2796—SPINNING FRAMES, COTTON.

Draper Company, Hopedale, Mass.
Easton & Burnham Machine Company, Pawtucket, R. I.
Mason Machine Works, Taunton, Mass.
Saco & Pettee Machine Shops, Newton Upper Falls, Mass.
Whitin Machine Works, Whitinsville, Mass.

2797—SPINNING RINGS.

Draper Company, Hopedale, Mass.

2798—SPIRITS.

(See Alcohol.)

2799—SPOKES, OAK AND HICKORY.

(See Wheel Parts, Wood.)

2800—SPOOLERS, COTTON.

Jacob K. Altemus, Philadelphia, Pa.
Draper Company, Hopedale. Mass.
Easton & Burnham Machine Company, Pawtucket, R. I.
Saco & Pettee Machine Shops, Newton Upper Falls. Mass.
Textile Machine Works, Reading, Pa.
Whitin Machine Works, Whitinsville, Mass.

2801—SPOONS, TABLE.

(See Knives and Forks.)

2802—SPOONS, TINNED.

M. S. Benedict Manufacturing Company, East Syracuse, N. Y.
Hero Fruit Jar Company, Philadelphia, Pa.

2802—SPOONS, TINNED—Continued.

International Silver Company, Meriden, Conn.
The Charles Parker Company, Meriden, Conn.
Simeon L. & George H. Rogers Company, Hartford, Conn.
R. Wallace & Son's Manufacturing Company, Wallingford, Conn.

2803—SPORTING GOODS.

Crawford, McGregor & Canby Company, Dayton, Ohio.
Dunham, Carrigan & Hayden Company, San Francisco, Cal.
B. F. Goodrich Company, Akron, Ohio.
M. Hartley Company, New York.
Max Lowenthal & Brother, Rochester, N. Y.
National Novelty Corporation, New York.

2804—SPOTS AND STUDS, METAL, FOR BELT AND HARNESS.

Kirk-Latty Manufacturing Company, Cleveland, Ohio.
The R. Neumann Hardware Company, Newark, N. J.
Standard Rivet Company, Boston, Mass.
Tubular Rivet and Stud Company, Boston, Mass.

2805—SPRAYERS, INSECTICIDE.

Aspinwall Manufacturing Company, Jackson, Mich.
Bateman Manufacturing Company, Grenloch, N. J.
The E. C. Brown Company, Rochester, N. Y.
Field Force Pump Company, Elmira, N. Y.
Liquid Carbonic Company, Chicago, Ill.
F. E. Myers & Bro., Ashland, Ohio.

2806—SPREADERS, MANURE.

(See also Fertilizer Distributors.)

American Harrow Company, Detroit, Mich.
Gale Manufacturing Company, Albion, Mich.
Kemp & Burpee Manufacturing Company, Syracuse, N. Y.
The Newark Machine Company, Newark, Ohio.

2807—SPRINGS, AGRICULTURAL IMPLEMENT AND MACHINERY.

Belle City Manufacturing Company, Racine Junction, Wis.
Cleveland Wire Spring Company, Cleveland, Ohio.
Harrow Spring Company, Kalamazoo, Mich.
Miller Wire Spring Company, Bridgeport, Conn.
Spencer Wire Company, Worcester, Mass.
Vehicle and Implement Spring Company, Pontiac, Mich.

2808—SPRINGS, BED AND UPHOLSTERY.

O. D. Baker & Co., Boston, Mass.
Wallace Barnes Company, Bristol, Conn.
Bridgeport Chain Company, Bridgeport, Conn.
Cleveland Wire Spring Company, Cleveland, Ohio.
Harrow Spring Company, Kalamazoo, Mich.
T. B. Laycock Manufacturing Company, Indianapolis, Ind.
Miller Wire Spring Company, Bridgeport, Conn.
Spencer Wire Company, Worcester, Mass.
Staples & Hanford Company, Newburg, N. Y.

2809—SPRINGS, CAR AND LOCOMOTIVE.

J. G. Brill Company, Philadelphia, Pa.
Farist Steel Company, Bridgeport, Conn.
Harrow Spring Company, Kalamazoo, Mich.
Peckham Manufacturing Company, New York.
Quaker City Rubber Company, Philadelphia, Pa.

2809—SPRINGS, CAR AND LOCOMOTIVE—Continued.

Simplex Railway Appliance Company, Hammond, Ind.
Standard Steel Works, Philadelphia, Pa.

2810—SPRINGS, CARRIAGE AND WAGON.

Ansted Spring and Axle Company, Connersville, Ind.
S. R. Bailey & Co., Amesbury, Mass.
Liggett Spring and Axle Company, Pittsburg, Pa.
Parry Manufacturing Company, Indianapolis, Ind.
William & Harvey Rowland, Inc., Frankford, Philadelphia, Pa.
Sheldon Axle Company, Wilkes-Barre, Pa.
Vehicle and Implement Spring Company, Pontiac, Mich.

2811—SPRINGS, CLOCK, TYPEWRITER, ETC.

Wallace Barnes Company, Bristol, Conn.
Miller Wire Spring Company, Bridgeport, Conn.
Spencer Wire Company, Worcester, Mass.

2812—SPRINGS, DOOR.

Wallace Barnes Company, Bristol, Conn.
Chicago Spring Butt Company, Chicago, Ill.
Columbian Hardware Company, Cleveland, Ohio.
Miller Wire Spring Company, Bridgeport, Conn.
Sargent & Co., New York.

2813—SPRINGS, RUBBER.

Boston Belting Company, Boston, Mass.
Diamond Rubber Company, Akron, Ohio.
Empire Rubber Manufacturing Company, Trenton, N. J.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
Home Rubber Company, Trenton, N. J.
Morgan & Wright, Chicago, Ill.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.
Quaker City Rubber Company, Philadelphia, Pa.
United and Globe Rubber Manufacturing Companies, Trenton, N. J.

2814—SPRINGS, SHUTTLE, LOOM, ETC.

William H. Haskell Manufacturing Company, Pawtucket, R. I.

2815—SPRINKLERS, AUTOMATIC FIRE.

E. B. Badger & Sons Company, Boston, Mass.
General Fire Extinguisher Company, Providence, R. I.
International Sprinkler Company, Philadelphia, Pa.
Manufacturers' Automatic Sprinkler Company, New York.
Niagara Fire Extinguisher Company, Akron, Ohio.
John Simmons Company, New York.
Tea Tray Company of Newark, Newark, N. J.
Walworth Manufacturing Company, Boston, Mass.

2816—SPRINKLERS, LAWN AND PLANT.

The E. C. Brown Company, Rochester, N. Y.
Davol Rubber Company, Providence, R. I.
Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.
Field Force Pump Company, Elmira, N. Y.
Forest City Foundry and Manufacturing Company, Cleveland, Ohio.
B. F. Goodrich Company, Akron, Ohio.
F. E. Kohler & Co., Canton, Ohio.
Liquid Carbonic Company, Chicago, Ill.
F. E. Myers & Bro., Ashland, Ohio.
Philadelphia Lawn Mower Company, Philadelphia, Pa.

2817—SPRINKLERS, STREET.

Studebaker Brothers Manufacturing Company, South Bend, Ind.

2818—SPURS, STIRRUPS, ETC.

(See Hardware, Saddlery.)

2819—SQUARES.

Brown & Sharpe Manufacturing Company, Providence, R. I.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Goodell-Pratt Company, Greenfield, Mass.
Peck, Stow & Wilcox Company, Southington, Conn.
Russell & Erwin Manufacturing Company, New Britain, Conn.
Sargent & Co., New York.
Stanley Rule and Level Company, New Britain, Conn.
L. S. Starrett Company, Athol, Mass.

2820—SQUEEZERS, LEMON.

(See Lemon Squeezers.)

2821—STACKERS, HAY.

The Newark Machine Company, Newark, Ohio.
M. Rumely Company, LaPorte, Ind.

2822—STACKERS, STRAW.

Advance Thresher Company, Battle Creek, Mich.
Birdsell Manufacturing Company, South Bend, Ind.
J. I. Case Threshing Machine Company, Racine, Wis.
Frick Company, Waynesboro, Pa.
Gaar, Scott & Co., Richmond, Ind.
Geiser Manufacturing Company, Waynesboro, Pa.
Huber Manufacturing Company, Marion, Ohio.
The Newark Machine Company, Newark, Ohio.
Port Huron Engine and Thresher Company, Port Huron, Mich.
M. Rumely Company, LaPorte, Ind.

2823—STAINS, LEATHER.

Restorff & Bettmann, New York.

2824—STAINS, WOOD.

Acme White Lead and Color Works, Detroit, Mich.
Adams & Elting Company, Chicago, Ill.
Bridgeport Wood Finishing Company, New Milford, Conn.
Samuel Cabot, Boston, Mass.
Felton, Sibley & Co., Philadelphia, Pa.
Forest City Paint and Varnish Company, Cleveland, Ohio.
Gerstendorfer Brothers, New York.
Heath & Milligan Manufacturing Company, Chicago, Ill.
John Lucas & Co., Philadelphia, Pa.
R. McWilliams, Ltd., New Orleans, La.
Eugene E. Nice, Philadelphia, Pa.

2825—STAIR TREADS, RUBBER.

Boston Belting Company, Boston, Mass.
Eberhard Manufacturing Company, Cleveland, Ohio.
Grieb Rubber Company, Inc., Philadelphia, Pa.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.
Quaker City Rubber Company, Philadelphia, Pa.

2826—STAIRS, IRON AND STEEL.

James McKinney & Son, Albany, N. Y.
Merritt & Co., Inc., Philadelphia, Pa.

2826—STAIRS, IRON AND STEEL—Continued.

Milliken Brothers, New York.
The Standard Company, Chicago, Ill.

2827—STAIRS, WOODEN.

E. Bailey & Sons, Inc., Patchogue, N. Y.
Barclay Brothers, Sinnamahoning, Pa.
Louis Bossert & Son, Brooklyn, N. Y.
Butters Lumber Company, Boardman, Columbus County, N. C.
Foster Lumber Company, Indianapolis, Ind.
Hafner Manufacturing Company, St. Louis, Mo.
The Hallack & Howard Lumber Company, Denver, Col.
Huttig Sash and Door Company, St. Louis, Mo.
Charles C. Kellogg & Sons Company, Utica, N. Y.
Nollau & Wolff Manufacturing Company, Chicago, Ill.
John C. Orr & Co., Brooklyn, N. Y.
Paine Lumber Company, Ltd., Oshkosh, Wis.
The F. A. Requarth Company, Dayton, Ohio.
Rhinesmith & Simonson, Fort Wayne, Ind.
Scott-Graff Lumber Company, Duluth, Minn.
Standard Millwork Company, Cincinnati, Ohio.
Tacoma Mill Company, San Francisco, Cal.
Henry Taylor Lumber Company, Lafayette, Ind.
A. & S. Wilson Company, Pittsburg, Pa.

2328—STAMP SHOES AND DIES.

Allis-Chalmers Company, Chicago, Ill.
Chrome Steel Works, Brooklyn, N. Y.
Ferracute Machine Company, Bridgeton, N. J.
Globe Iron Works, Stockton, Cal.
Midvale Steel Company, Philadelphia, Pa.
Taylor Iron and Steel Company, High Bridge, N. J.

2829—STAMPS, RUBBER AND STEEL.

The J. F. W. Dorman Company, Baltimore, Md.
Rand Avery Supply Company, Boston, Mass.
Wiebusch & Hilger, Ltd., New York.

2830—STAMPINGS, METAL.

(See Sheet Metal Stamping.)

2831—STAMPINGS, STEEL.

American Tube and Stamping Company, Bridgeport, Conn.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Avery Stamping Company, Clevland, Ohio.
The W. J. Clark Company, Salem, Ohio.
Cleveland Stamping and Tool Company, Cleveland, Ohio.
Columbian Enameling and Stamping Company, Terre Haute, Ind.
Federal Manufacturing Company, Cleveland, Ohio.
Geuder & Paeschke Manufacturing Company, Milwaukee, Wis.
Grand Rapids Brass Company, Grand Rapids, Mich.
H. A. J. Helvig, New York.
Holbrook, Merrill & Stetson, San Francisco, Cal.
R. C. Jenkinson & Co., Newark, N. J.
The Kinnear & Gager Company, Columbus, Ohio.
Lalance & Grosjean Manufacturing Company, New York.
F. H. Lawson Company, Cincinnati, Ohio.
National Enameling and Stamping Company, New York.
New York Stamping Company, Brooklyn, N. Y.
Rochester Stamping Company, Rochester, N. Y.

2831—STAMPINGS, STEEL—Continued.

William Vogel & Brothers, Brooklyn, N. Y.
The Jacob J. Vollrath Manufacturing Company, Sheboygan, Wis.

2832—STANDPIPES.

American Car and Foundry Company, New York.
Chicago Bridge and Iron Works, Chicago, Ill.
Fairbanks, Morse & Co., Chicago, Ill.
James Lappan Manufacturing Company, Pittsburg, Pa.
The Midland Bridge Company, Kansas City, Mo.
The Portland Company, Portland, Me.
The Reeves Brothers Company, Alliance, Ohio.
Tippett & Wood, Phillipsburg, N. J.
Variety Iron Works Company, Cleveland, Ohio.

2833—STAPLES, WIRE.

The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
Michigan Bolt and Nut Works, Detroit, Mich.
The Niagara Clip Company, New York.
Norton Iron Works, Ashland, Ky.
Page Woven Wire Fence Company, Adrian, Mich.
Reading Hardware Company, Reading, Pa.
Standard Rivet Company, Boston, Mass.
Standard Underground Cable Company, Pittsburg, Pa.

2834—STARCH.

Arabol Manufacturing Company, New York.
The Glucose Sugar Refining Company, Chicago, Ill.
E. C. Hazard & Co., New York.
The Kendrick Promotion Company, Denver, Col.
Francis H. Leggett & Co., New York.
Warner Sugar Refining Company, Waukegan, Ill.

2835—STATIONERS' GLASSWARE.

(See Inkstands and Ink Wells.)

2836—STATIONERS' HARDWARE.

The J. F. W. Dorman Company, Baltimore, Md.
Esterbrook Steel Pen Manufacturing Company, New York.
Hoggson & Pettis Manufacturing Company, New Haven, Conn.
The Niagara Clip Company, New York.
S. S. Stafford, Inc., New York.
The Samuel C. Tatum Company, Cincinnati, Ohio.
Thomas Stationery Manufacturing Company, Springfield, Ohio.
F. S. Webster Company, Boston, Mass.
The Weis Manufacturing Company, Toledo, Ohio.
Wiebusch & Hilger, Ltd., New York.
Yawman & Erbe Manufacturing Company, Rochester, N. Y.

2837—STATIONERS' RUBBER GOODS.

American Hard Rubber Company, New York.
Davidson Rubber Company, Boston, Mass.
Davol Rubber Company, Providence, R. I.
Diamond Rubber Company, Akron, Ohio.
The J. F. W. Dorman Company, Baltimore, Md.
Eberhard Faber, New York.
B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.
Tyer Rubber Company, Andover, Mass.

2838—STATIONERY.

American Lithographic Company, New York.
J. C. Blair Company, Huntingtdon, Pa.
William B. Burford, Indianapolis, Ind.
Buxton & Skinner Stationery Company, St. Louis, Mo.
The Calvert Lithographing Company, Detroit, Mich.
The Carter's Ink Company, Boston, Mass.
Courier Journal Job Printing Company, Louisville, Ky.
Eichbaum Company, Pittsburg, Pa.
Fay Engraving Company, Utica, N. Y.
George H. Friend Paper and Tablet Company, West Carrollton, Ohio.
Garden City Tablet Company, Elkhart, Ind.
Gregory, Mayer & Thom Company, Detroit, Mich.
William G. Johnston & Co., Pittsburg, Pa.
William Mann Company, Philadelphia, Pa.
A. B. Morse Company, St. Joseph, Mo.
Reynolds & Reynolds Company, Dayton, Ohio.
The Richmond & Backus Company, Detroit, Mich.
Saugerties Manufacturing Company, Saugerties, N. Y.
Seemann, Peters & Heim, Saginaw, Mich.
Shea Smith & Co., Chicago, Ill.
Strobridge Lithographing Company, Cincinnati, Ohio.
Thornton-Levey Company, Indianapolis, Ind.
The Thomas J. Walton Printing Company, Salem, Ohio.
The Weis Manufacturing Company, Toledo, Ohio.

2839—STATIONERY, RAILWAY.

(See Railway Tickets and Stationery.)

2840—STATUARY, BRONZE.

Gorham Manufacturing Company, New York.
The J. L. Mott Iron Works, New York.
W. H. Mullins, Salem, Ohio.
Philadelphia White Bronze Monument Company, Philadelphia, Pa.
Jno. Williams, New York.

2841—STATUARY, CAST IRON.

The J. L. Mott Iron Works, New York.
Jno. Williams, New York.

2842—STAVES.

Chickasaw Cooperage Company, Memphis, Tenn.
Menasha Wooden Ware Company, Menasha, Wis.
Mengel Box Company, Louisville, Ky.
The Ohio Cooperage Company, Cleveland, Ohio.
Pioneer Cooperage Company, Chicago, Ill.
Tacoma Mill Company, San Francisco, Cal.

2843—STEAMSHIP COMPANIES.

The Munson Steamship Line, New York.

2844—STEARINE.

American Cotton Oil Company, New York.
G. H. Hammond Company, Chicago, Ill.
Harkness & Cowing Company, Cincinnati, Ohio.
Kentucky Refining Company, Louisville, Ky.
Morris & Company, Chicago, Ill.
Swift and Company, Chicago, Ill.
The M. Werk Company, Cincinnati, Ohio.
Will & Baumer Company, Syracuse, N. Y.

2845—STEATITE.

(See Soapstone, also Talc.)

2846—STEEL, BAND AND HOOP.

American Tube and Stamping Company, Bridgeport, Conn.
Carnegie Steel Company, Pittsburg, Pa.
Griffin Manufacturing Company, Erie, Pa.
Illinois Steel Company, Chicago, Ill.
Lockhart Iron and Steel Company, Pittsburg, Pa.
Sharon Steel Hoop Company, Sharon, Pa.
Tennessee Coal, Iron and Railroad Company, New York.

2847—STEEL BILLETS, BESSEMER.

Bethlehem Steel Company, South Bethlehem, Pa.
Carnegie Steel Company, Pittsburg, Pa.
The Colorado Fuel and Iron Company, Denver, Col.
Illinois Steel Company, Chicago, Ill.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Maryland Steel Company, Sparrow's Point, Md.
Pennsylvania Steel Company, Philadelphia, Pa.
Republic Iron and Steel Company, Chicago, Ill.
Wheeling Steel and Iron Company, Wheeling, W. Va.

2848—STEEL BILLETS, OPEN-HEARTH.

Alabama Steel and Wire Company, Gadsden, Ala.
Allegheny Steel and Iron Company, Pittsburg, Pa.
American Rolling Mill Company, Middletown, Ohio.
American Tube and Stamping Company, Bridgeport, Conn.
Bethlehem Steel Company, South Bethlehem, Pa.
Carbon Steel Company, New York.
Carnegie Steel Company, Pittsburg, Pa.
The Colorado Fuel and Iron Company, Denver, Col.
Grand Crossing Tack Company, Chicago, Ill.
Illinois Steel Company, Chicago, Ill.
Inland Steel Company, Chicago, Ill.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Page Woven Wire Fence Company, Adrian, Mich.
Pennsylvania Steel Company, Philadelphia, Pa.
Republic Iron and Steel Company, Chicago, Ill.
Sharon Steel Hoop Company, Sharon, Pa.
Tennessee Coal, Iron and Railroad Company, New York.
Alan Wood Iron and Steel Company, Philadelphia, Pa.

2849—STEEL, COLD-DRAWN OR ROLLED.

American Tube and Stamping Company, Bridgeport, Conn.
Crucible Steel Company of America, Pittsburg, Pa.
Cumberland Steel Company, Cumberland, Md.
Federal Manufacturing Company, Cleveland, Ohio.
Griffin Manufacturing Company, Erie, Pa.
Illinois Steel Company, Chicago, Ill.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Judson Manufacturing Company, San Francisco, Cal.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Lukens Iron and Steel Company, New Orleans, La.
Muskingum Valley Steel Company, Zanesville, Ohio.
National Tube Company, Pittsburg, Pa.
The C. Pardee Works, Perth Amboy, N. J.
Standard Gauge Steel Company, Beaver Falls, Pa.
Stanley Works, New Britain, Conn.
Union Drawn Steel Company, Beaver Falls, Pa.
Alan Wood Iron and Steel Company, Philadelphia, Pa.

2850—STEEL, CORRUGATED SHEET.

American Rolling Mill Company, Middletown, Ohio.
American Sheet and Tin Plate Company, Pittsburg, Pa.
Muskingum Valley Steel Company, Zanesville, Ohio.
Alan Wood Iron and Steel Company, Philadelphia, Pa.
J. Wood & Brothers Company, Conshohocken, Pa.
Zug & Co., Ltd., Pittsburg, Pa.

2851—STEEL, CRUCIBLE.

Chrome Steel Works, Brooklyn, N. Y.
Crucible Steel Company of America, Pittsburg, Pa.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Farist Steel Company, Bridgeport, Conn.
Firth-Sterling Steel Company, McKeesport, Pa.
Heller Brothers Company, Newark, N. J.
Indiana Rolling Mill Company, New Castle, Ind.
Lukens Iron and Steel Company, New Orleans, La.
Midvale Steel Company, Philadelphia, Pa.
Simonds Manufacturing Company, Fitchburg, Mass.

2352—STEEL, MAGNET AND ELECTRICAL.

American Sheet and Tin Plate Company, Pittsburg, Pa.
Brylgon Steel Casting Company, New Castle, Del.
Crucible Steel Company of America, Pittsburg, Pa.
Muskingum Valley Steel Company, Zanesville, Ohio.
Alan Wood Iron and Steel Company, Philadelphia, Pa.
J. Wood & Brothers Company, Conshohocken, Pa.

2853—STEEL, MANGANESE.

Brylgon Steel Casting Company, New Castle, Del.
Carnegie Steel Company, Pittsburg, Pa.
Scullin-Gallagher Iron and Steel Company, St. Louis, Mo.
Taylor Iron and Steel Company, High Bridge, N. J.

2854—STEEL, MERCHANT BAR.

American Tube and Stamping Company, Bridgeport, Conn.
Buffalo Steel Company, Tonawanda, N. Y.
Carnegie Steel Company, Pittsburg, Pa.
The Colorado Fuel and Iron Company, Denver, Col.
Crucible Steel Company of America, Pittsburg, Pa.
Cumberland Steel Company, Cumberland, Md.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Dunham, Carrigan & Hayden Company, San Francisco, Cal.
Farist Steel Company, Bridgeport, Conn.
Harrow Spring Company, Kalamazoo, Mich.
Highland Iron and Steel Company, Terre Haute, Ind.
Illinois Steel Company, Chicago, Ill.
Inland Steel Company, Chicago, Ill.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Judson Manufacturing Company, San Francisco, Cal.
Kelley, Maus & Co., Chicago, Ill.
Lockhart Iron and Steel Company, Pittsburg, Pa.
Lukens Iron and Steel Company, New Orleans, La.
Oliver Iron and Steel Company, Pittsburg, Pa.
Pacific Hardware and Steel Company, San Francisco, Cal.
The C. Pardee Works, Perth Amboy, N. J.
Pennsylvania Steel Company, Philadelphia, Pa.
Republic Iron and Steel Company, Chicago, Ill.
William & Harvey Rowland, Inc., Frankford, Philadelphia, Pa.

2354—STEEL, MERCHANT BAR—Continued.

Sharon Steel Hoop Company, Sharon, Pa.
Standard Gauge Steel Company, Beaver Falls, Pa.
Tennessee Coal, Iron and Railroad Company, New York.
Union Rolling Mill Company, Cleveland, Ohio.

2855—STEEL, NICKEL.

Carbon Steel Company, New York.
Midvale Steel Company, Philadelphia, Pa.

2856—STEEL PLATE.

Allegheny Steel and Iron Company, Pittsburg, Pa.
American Sheet and Tin Plate Company, Pittsburg, Pa.
Carbon Steel Company, New York.
Carnegie Steel Company, Pittsburg, Pa.
Central Iron and Steel Company, Harrisburg, Pa.
Chrome Steel Works, Brooklyn, N. Y.
Crucible Steel Company of America, Pittsburg, Pa.
Glasgow Iron Company, Pottstown, Pa.
Illinois Steel Company, Chicago, Ill.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Midvale Steel Company, Philadelphia, Pa.
Otis Steel Company, Ltd., Cleveland, Ohio.
Pennsylvania Steel Company, Philadelphia, Pa.
Republic Iron and Steel Company, Chicago, Ill.
Sligo Iron and Steel Company, Connellsville, Fayette County, Pa.
Tennessee Coal, Iron and Railroad Company, New York.
Alan Wood Iron and Steel Company, Philadelphia, Pa.
J. Wood & Brothers Company, Conshohocken, Pa.

2857—STEEL RAILS.

Buffalo Steel Company, Tonawanda, N. Y.
Carnegie Steel Company, Pittsburg, Pa.
The Colorado Fuel and Iron Company, Denver, Col.
Illinois Steel Company, Chicago, Ill.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Maryland Steel Company, Sparrow's Point, Md.
Pennsylvania Steel Company, Philadelphia, Pa.
Republic Iron and Steel Company, Chicago, Ill.
Standard Chain Company, Pittsburg, Pa.
Tennessee Coal, Iron and Railroad Company, New York.

2858—STEEL RODS, STRUCTURAL.

Chattanooga Car and Foundry Company, Chattanooga, Tenn.
Cleveland Wire Spring Company, Cleveland, Ohio.
Graham Nut Company, Allegheny, Pa.
William H. Haskell Manufacturing Company, Pawtucket, R. I.
Illinois Steel Company, Chicago, Ill.
Judson Manufacturing Company, San Francisco, Cal.
Kirk-Latty Manufacturing Company, Cleveland, Ohio.
Michigan Bolt and Nut Works, Detroit, Mich.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Page Woven Wire Fence Company, Adrian, Mich.
Pennsylvania Steel Company, Philadelphia, Pa.
Pittsburgh Screw and Bolt Company, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.

2859—STEEL, SAFE.

Carbon Steel Company, New York.
Chrome Steel Works, Brooklyn, N. Y.

2860—STEEL SHAPES, AGRICULTURAL.

Brown Manufacturing Company, Zanesville, Ohio.
Buffalo Steel Company, Tonawanda, N. Y.
Carnegie Steel Company, Pittsburg, Pa.
Harrow Spring Company, Kalamazoo, Mich.
Illinois Steel Company, Chicago, Ill.
Inland Steel Company, Chicago, Ill.
Judson Manufacturing Company, San Francisco, Cal.
Muskingum Valley Steel Company, Zanesville, Ohio.
Nordyke & Marmon Company, Indianapolis, Ind.
Republic Iron and Steel Company, Chicago, Ill.

2861—STEEL SHAPES, PRESSED.

American Pulley Company, Philadelphia, Pa.
The American Steel Scraper Company, Sidney, Ohio.
The Brownell Company, Dayton, Ohio.
Federal Manufacturing Company, Cleveland, Ohio.
Glasgow Iron Company, Pottstown, Pa.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Standard Gauge Steel Company, Beaver Falls, Pa.

2862—STEEL SHAPES, SPECIAL.

American Tube and Stamping Company, Bridgeport, Conn.
Buffalo Steel Company Tonawanda, N. Y.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio
Nordyke & Marmon Company, Indianapolis, Ind.
The C. Pardee Works, Perth Amboy, N. J.
Standard Gauge Steel Company, Beaver Falls, Pa.
M. H. Treadwell & Co., of Pa., Lebanon, Pa.
Union Drawn Steel Company, Beaver Falls, Pa.

2863—STEEL SHAPES, STRUCTURAL.

Carbon Steel Company, New York.
Carnegie Steel Company, Pittsburg, Pa.
Farist Steel Company, Bridgeport, Conn.
Illinois Steel Company, Chicago, Ill.
Inland Steel Company, Chicago, Ill.
Jones & Laughlin Steel Company, Pittsburg, Pa.
Judson Manufacturing Company, San Francisco, Cal.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa
Love Brothers, Inc., Aurora, Kane County, Ill.
Lukens Iron and Steel Company, New Orleans, La.
James McKinney & Son, Albany, N. Y.
Merritt & Co., Inc., Philadelphia, Pa.
The C. Pardee Works, Perth Amboy, N. J.
Pennsylvania Steel Company, Philadelphia, Pa.
Republic Iron and Steel Company, Chicago, Ill.
Sharon Steel Hoop Company, Sharon, Pa.
Standard Gauge Steel Company, Beaver Falls, Pa.
Tennessee Coal, Iron and Railroad Company, New York.
Alan Wood Iron and Steel Company, Philadelphia, Pa.

2364—STEEL, SHEET.

Allegheny Steel and Iron Company, Pittsburg, Pa.
The American Rolling Mill Company, Middetown, Ohio.
American Sheet and Tin Plate Company, Pittsburg, Pa.
Carbon Steel Company, New York.
Crucible Steel Company of America, Pittsburg, Pa.
Henry Disston & Sons, Inc., Philadelphia, Pa.

2864—STEEL, SHEET—Continued.

Indiana Rolling Mill Company, New Castle, Ind.
Inland Steel Company, Chicago, Ill.
Muskingum Valley Steel Company, Zanesville, Ohio.
Republic Iron and Steel Company, Chicago, Ill.
William & Harvey Rowland, Inc., Frankford, Philadelphia, Pa.
Sligo Iron and Steel Company, Connellsville, Fayette County, Pa.
Wheeling Steel and Iron Company, Wheeling, W. Va.
Alan Wood Iron and Steel Company, Philadelphia, Pa.
J. Wood & Brothers Company, Conshohocken, Pa.
The Youngstown Iron Sheet and Tube Company, Youngstown, Ohio.
Zug & Co., Ltd., Pittsburg, Pa.

2865—STEEL SHEET BARS.

Allegheny Steel and Iron Company, Pittsburg, Pa.
Glasgow Iron Company, Pottstown, Pa.
Illinois Steel Company, Chicago, Ill.
Sharon Steel Hoop Company, Sharon, Pa.
Alan Wood Iron and Steel Company, Philadelphia, Pa.
The Youngstown Iron Sheet and Tube Company, Youngstown, Ohio.

2866—STEEL SHEET, GALVANIZED.

American Rolling Mill Company, Middletown, Ohio.
American Sheet and Tin Plate Company, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.
The Youngstown Iron Sheet and Tube Company, Youngstown, Ohio.
Zug & Co., Ltd., Pittsburg, Pa.

2867—STEEL, SKELP.

Wheeling Steel and Iron Company, Wheeling, W. Va.

2868—STEEL, SPECIAL ANALYSIS.

Bethlehem Steel Company, South Bethlehem, Pa.
Firth-Sterling Steel Company, McKeesport, Pa.
Heller Brothers Company, Newark, N. J.
Scullin-Gallagher Iron and Steel Company, St. Louis, Mo.
Taylor Iron and Steel Company, High Bridge, N. J.

2869—STEEL, SPRING.

Cleveland Wire Spring Company, Cleveland, Ohio.
Crucible Steel Company of America, Pittsburg, Pa.
Farist Steel Company, Bridgeport, Conn.
Harrow Spring Company, Kalamazoo, Mich.
Pennsylvania Steel Company, Philadelphia, Pa.
William & Harvey Rowland, Inc., Frankford, Philadelphia, Pa.

2870—STEEL WIRE.

(See Wire, Steel.)

2871—STEEL WORK, PRESSED.

Avery Stamping Company, Cleveland, Ohio.
The "Long-Arm" System Company, Cleveland, Ohio.
Philips' Pressed Steel Pulley Works, Philadelphia, Pa.

2872—STEEL WORK, STRUCTURAL.

(See Structural Iron and Steel Work.)

2873—STEELS, BUTCHERS'.

Chicago Wheel and Manufacturing Company, Chicago, Ill.
Nicholson File Company, Providence, R. I.

2873—STEELS, BUTCHERS'—Continued.

Vaughan & Bushnell Manufacturing Company, Chicago, Ill.
L. & I. J. White Company, Buffalo, N. Y.
Wiebusch & Hilger, Ltd., New York.

2874—STEERING GEAR, STEAM.

American Ship Windlass Company, Providence, R. I.
Detroit Shipbuilding Company, Detroit, Mich.

2875—STENCIL PRINTING IMPLEMENTS.

The J. F. W. Dorman Company, Baltimore, Md.
Houchin & Huber, Brooklyn, N. Y.

2876—STEPLADDERS.

California Barrel Company, San Francisco, Cal.
Coburn Trolley Track Manufacturing Company, Holyoke, Mass.
Richmond Cedar Works, Richmond, Va.
The Udell Works, Indianapolis, Ind.
Wilcox Manufacturing Company, Aurora, Ill.

2877—STEREOPTICONS.

Bausch & Lomb Optical Company, Rochester, N. Y.
Stanley & Patterson, Inc., New York.
C. H. Stoelting Company, Chicago, Ill.

2878—STEREOTYPE METALS.

Ajax Metal Company, Philadelphia, Pa.
Merchant & Co., Inc., Philadelphia, Pa.
Paul S. Reeves & Son, Philadelphia, Pa.

2879—STEREOTYPERS' OUTFITS.

American Type Founders Company, Jersey City, N. J.
Barnhart Bros. & Spindler, Chicago, Ill.
Keystone Type Foundry, Philadelphia, Pa.
Standard Paper Manufacturing Company, Richmond, Va.

2880—STERILIZERS.

John B. Adt, Baltimore, Md.
Baker Iron Works, Los Angeles, Cal.
Greenpoint Metallic Bed Company, Brooklyn, N. Y.
Kny-Scheerer Company, New York.
Nordyke & Marmon Company, Indianapolis, Ind.
Toledo Cooker Company, Toledo, Ohio.

2881—STILLS.

E. B. Badger & Sons Company, Boston, Mass.
Buffalo Forge Company, Buffalo, N. Y.
Christopher Cunningham, Brooklyn, N. Y.
Farrar & Trefts, Buffalo, N. Y.
Hoffman-Ahlers Company, Inc., Cincinnati, Ohio.
Kaestner & Co., Inc., Chicago, Ill.
James McNeil & Bro. Company, Pittsburg, Pa.
A. H. Peirce Manufacturing Company, Chicago, Ill.
John Trageser Steam Copper Works, New York.

2882—STILLS, DRUGGISTS'.

E. B. Badger & Sons Company, Boston, Mass.
A. H. Peirce Manufacturing Company, Chicago, Ill.

2883—STILLS, WATER.

(See Distilling Apparatus, Water.)

2884—STITCHERS, WIRE, PAMPHLET.

Barnhart Bros. & Spindler, Chicago, Ill.
Chas. Beck Paper Company, Ltd., Philadelphia, Pa.

2885—STOCKS, WHIP, HICKORY.

United States Whip Company, Westfield, Mass.

2886—STOKERS, MECHANICAL.

American Ship Windlass Company, Providence, R. I.
McClave Brooks Company, Scranton, Pa.
Parsons Band Cutter and Self-Feeder Company, Newton, Iowa.
William Sellers & Co., Inc., Philadelphia, Pa.
Westinghouse Machine Company, East Pittsburg, Pa.

2887—STONE, BROKEN, FOR CONTRACTORS.

Bessemer Limestone Company, Youngstown, Ohio.
Buffalo Cement Company, Ltd., Buffalo, N. Y.
Franklin Stone Company, Marble Cliff, Ohio.
Gager Lime and Manufacturing Company, Chattanooga, Tenn.
The Holmes Lime Company, San Francisco, Cal.
The Norris & Christian Stone and Lime Company, Marion, Ohio.

2888—STONE, BUILDING.

Buffalo Cement Company, Ltd., Buffalo, N. Y.
Franklin Stone Company, Marble Cliff, Ohio.
The Norris & Christian Stone and Lime Company, Marion, Ohio.

2889—STONE, PUMICE, ROTTEN, ETC.

Herman Behr & Co., New York.
Hanson & Van Winkle Company, Newark, N. J.
The Matchless Metal Polish Company, New York.
Norton Emery Wheel Company, Worcester, Mass.

2890—STONERS, CHERRY.

Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.
Goodell Company, Antrim, N. H.

2891—STONES, SHARPENING.

(See Sharpeners, Knife and Scythe.)

2892—STOOLS, CAMP.

The A. H. Andrews Company, Chicago, Ill.
Kelly Foundry and Machine Company, Goshen, Ind.
National Novelty Corporation, New York.

2893—STOOLS, PIANO AND ORGAN.

The Davis Chair Company, Marysville, Ohio.
W. W. Kimball Company, Chicago, Ill.
The Charles Parker Company, Meriden, Conn.
William Tonk & Bro., Inc., New York.

2894—STOPPERS, CHAIN.

American Ship Windlass Company, Providence, R. I.
Brass Goods Manufacturing Company, Brooklyn, N. Y.
James McKay & Co., Pittsburg, Pa.
Transue & Williams Company, Alliance, Ohio.

2895—STORAGE OUTFITS, GASOLINE.

S. F. Bowser & Co., Inc., Fort Wayne, Ind.

2896—STOUT AND PORTER.

P. Ballantine & Sons, Newark, N. J.
C. H. Evans & Sons, Hudson, N. Y.
Christian Feigenspan, Inc., Newark, N. J.
Indianapolis Brewing Company, Indianapolis, Ind.
C. Schmidt & Sons Brewing Company, Philadelphia, Pa.
Yale Brewing Company, Inc., New Haven, Conn.

2897—STOVE MATS, ASBESTOS.

Hall & Carpenter, Philadelphia, Pa.
Stuber & Kuck, Peoria, Ill.

2898—STOVES, COAL AND WOOD.

American Stove Company of N. J., St. Louis, Mo.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Bonnet-Nance Stove Company, Chicago Heights, Ill.
Bridge & Beach Manufacturing Company, St. Louis, Mo.
Buck's Stove and Range Company, St. Louis, Mo.
Buckwalter Stove Company, Royersford, Pa.
Chattanooga Roofing and Foundry Company, Chattanooga, Tenn.
Cole Manufacturing Company, Chicago, Ill.
Continental Stove Company, Richmond, Va.
The Co-operative Foundry Company, Rochester, N. Y.
Abram Cox Stove Company, Philadelphia, Pa.
Wm. M. Crane Company, New York.
Favorite Stove and Range Company, Piqua, Ohio.
Floyd, Wells & Co., Royersford, Pa.
The Fuller-Warren Company, Milwaukee, Wis.
Fuller & Warren Company, Troy, N. Y.
Germer Stove Company, Erie, Pa.
Holbrook, Merrill & Stetson, San Francisco, Cal.
Illinois Malleable Iron Company, Chicago, Ill.
Joliet Stove Works, Joliet, Ill.
Kalamazoo Stove Company, Kalamazoo, Mich.
F. H. Lawson Company, Cincinnati, Ohio.
A. J. Lindemann & Hoverson Company, Milwaukee, Wis.
Love Brothers, Inc., Aurora, Kane County, Ill.
McGuire-Cummings Manufacturing Company, Chicago, Ill.
Michigan Stove Company, Detroit, Mich.
John Mohr & Sons, Chicago, Ill.
National Pipe Bending Company, New Haven, Conn.
The A. T. Nye & Son Company, Marietta, Ohio.
Phillips & Buttorff Manufacturing Company, Nashville, Tenn.
Phillips & Clark Stove Company, Geneva, N. Y.
Pittsburgh Stove and Range Company, Allegheny, Pa.
The Portsmouth Stove and Range Company, Portsmouth, Ohio.
Ross Meehan Foundry Company, Chattanooga, Tenn.
Isaac A. Sheppard & Co., Philadelphia, Pa.
Sill Stove Works, Rochester, N. Y.
Smith & Anthony Company, Boston, Mass.
Southard Robertson Company, New York.
Toledo Stove and Range Company, Toledo, Ohio.
Troy Nickel Works and Albany Foundry Company, Albany, N. Y.
The Union Stove Works, New York.
The Wehrle Company, Newark, Ohio.
H. Wetter Manufacturing Company, Memphis, Tenn.

2899—STOVES, GAS.

American Stove Company of N. J., St. Louis, Mo.
Anchor Stove and Range Company, Inc., Louisville, Ky.

2899—STOVES, GAS—Continued.

Continental Stove Company, Richmond, Va.
Abram Cox Stove Company, Philadelphia, Pa.
Wm. M. Crane Company, New York.
Favorite Stove and Range Company, Piqua, Ohio.
The Fuller-Warren Company, Milwaukee Wis.
The Griswold Manufacturing Company, Erie, Pa.
A. J. Lindemann & Hoverson Company, Milwaukee, Wis.
Michigan Stove Company, Detroit, Mich.
Edward Miller & Co., Meriden, Conn.
The Plume & Atwood Manufacturing Company, New York.
The Portsmouth Stove and Range Company, Portsmouth, Ohio.
Reineke, Wilson Company, Pittsburg, Pa.
Issac A. Sheppard & Co., Philadelphia, Pa.
Sill Stove Works, Rochester, N. Y.
Southard Robertson Company, New York.
Taylor & Boggis Foundry Company, Cleveland, Ohio.
Troy Nickel Works and Albany Foundry Company, Albany, N. Y.
The Union Stove Works, New York.

2900—STOVES, GASOLINE.

American Stove Company of N. J., St. Louis, Mo.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Buck's Stove and Range Company, St. Louis, Mo.
A. J. Lindemann & Hoverson Company, Milwaukee, Wis.

2901—STOVES, OIL.

American Stove Company of N. J., St. Louis, Mo.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Buck's Stove and Range Company, St. Louis, Mo.
Buckwalter Stove Company, Royersford, Pa.
Continental Stove Company, Richmond, Va.
The Co-operative Foundry Company, Rochester, N. Y.
The Griswold Manufacturing Company, Erie, Pa.
A. J. Lindemann & Hoverson Company, Milwaukee, Wis.
Metal Stampng Company, Jackson, Mich.
Michigan Stove Company, Detroit, Mich.
Edward Miller & Co., Meriden, Conn.
Phillips & Clark Stove Company, Geneva, N. Y.
The Plume & Atwood Manufacturng Company, New York.
The Portsmouth Stove and Range Company, Portsmouth, Ohio.
The Robinson Manufacturing Company, Toledo, Ohio.
Taylor & Boggis Foundry Company, Cleveland, Ohio.
Toledo Stove and Range Company, Toledo, Ohio.
Union Drop Forge Company, Chicago, Ill.
The Union Stove Works, New York.

2902—STRAPS, LEATHER.

Crandal, Stone & Co., Binghamton, N. Y.
Graton & Knight Manufacturing Company, Worcester, Mass.
Headley & Farmer Company, Newark, N. J.
Marshall-Wells Hardware Company, Duluth, Minn.
New York Leather Belting Company, New York.
Page Belting Company, Concord, N. H.
Charles A. Schieren & Co., New York.
I. B. Williams & Sons, Dover, N. H.

2903—STRAPS, LOOM.

E. F. Houghton & Co., Philadelphia, Pa.
Page Belting Company, Concord, N. H.

2903—STRAPS, LOOM—Continued.

Charles A. Schieren & Co., New York.
I. B. Williams & Sons, Dover, N. H.

2904—STRAPS, MACHINE.

Alexander Brothers, Philadelphia, Pa.
Diamond Rubber Company, Akron, Ohio.
E. F. Houghton & Co., Philadelphia, Pa.
Page Belting Company, Concord, N. H.
Charles A. Schieren & Co., New York.
I. B. Williams & Sons, Dover, N. H.

2905—STRAWBOARD.

La Fayette Box Board and Paper Company, La Fayette, Ind.
The Thompson & Norris Company, Brooklyn, N. Y.

2906—STREET RAILWAY SUPPLIES.

Allis-Chalmers Company, Chicago, Ill.
American Car and Foundry Company, New York.
Albert & J. M. Anderson Manufacturing Company, Boston, Mass.
Ansonia Brass and Copper Company, New York.
Avery Stamping Company, Cleveland, Ohio.
Barbour Stockwell Company, Cambridgeport, Mass.
Osgood Bradley & Sons, Worcester, Mass.
J. G. Brill Company, Philadelphia, Pa.
Central Manufacturing Company, Chattanooga, Tenn.
Chase-Shawmut Company, Newburyport, Mass.
The Cleveland Frog and Crossing Company, Cleveland, Ohio.
Electrical Manufacturers' Export Company, New York.
Federal Manufacturing Company, Cleveland, Ohio.
Fort Wayne Electric Works, Inc., Fort Wayne, Ind.
General Electric Company, Schenectady, N. Y.
Hale & Kilburn Manufacturing Company, Philadelphia, Pa.
James L. Howard & Co., Hartford, Conn.
J. M. Jones' Sons, Watervliet, N. Y.
A. Leschen & Sons Rope Company, St. Louis, Mo.
McGuire-Cummings Manufacturing Company, Chicago, Ill.
National Electric Company, Milwaukee, Wis.
National Lock Washer Company, Newark, N. J.
The Ohio Brass Company, Mansfield, Ohio.
Peckham Manufacturing Company, New York.
Pettingell-Andrews Company, Boston, Mass.
Phillips Insulated Wire Company, Pawtucket, R. I.
Pittsburgh Forge and Iron Company, Pittsburg, Pa.
Pittsburgh Malleable Iron Company, Pittsburg, Pa.
Railway Appliances Company, Chicago, Ill.
Ramapo Iron Works, New York.
Rand Avery Supply Company, Boston, Mass.
St. Louis Car Company, St. Louis, Mo.
The Sherwin-Williams Company, Cleveland, Ohio.
The Star Brass Works, Kalamazoo, Mich.
Valentine & Co., New York.
The Van Dorn & Dutton Company, Cleveland, Ohio.
Wason Manufacturing Company, Springfield, Mass.
Wendell & MacDuffie, New York.
Westinghouse Air Brake Company, Pittsburg, Pa.
Westinghouse Electric and Manufacturing Company, Pittsburg, Pa.

2907—STRETCHERS, WIRE.

Lamb Wire Fence Company, Adrian, Mich.
A. H. Nilson Machine Company, Bridgeport, Conn.
The F. B. Shuster Company, New Haven, Conn.
Wilcox Manufacturing Company, Aurora, Ill.
Wrightsville Hardware Company, Wrightsville, Pa.

2908—STROPS, RAZOR.

International Cutlery Company, Fremont, Ohio.

2909—STRUCTURAL IRON AND STEEL WORK.

Chester B. Albree Iron Works, Allegheny, Pa.
American Foundry and Furnace Company, Bloomington, Ill.
Bartlett, Hayward & Co., Baltimore, Md.
Berlin Construction Company, Berlin, Conn.
Boston Bridge Works, Inc., Boston, Mass.
Brown-Ketcham Iron Works, Indianapolis, Ind.
Carnegie Steel Company, Pittsburg, Pa.
Champion Iron Company, Kenton, Ohio.
The Chicago Bridge and Iron Works, Chicago, Ill.
Chickasaw Iron Works, Memphis, Tenn.
The Converse Bridge Company, Chattanooga, Tenn.
William H. Haskell Manufacturing Company, Pawtucket, R. I.
Illinois Steel Company, Chicago, Ill.
Inland Steel Company, Chicago, Ill.
Judson Manufacturing Company, San Francisco, Cal.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Llewellyn Iron Works, Los Angeles, Cal.
Lombard Iron Works and Supply Company, Augusta, Ga.
Love Brothers, Inc., Aurora, Kane County, Ill.
A. Lucas & Sons, Peoria, Ill.
James McKinney & Son, Albany, N. Y.
Merritt & Co., Inc., Philadelphia, Pa.
Michigan Bolt and Nut Works, Detroit, Mich.
The Midland Bridge Company, Kansas City, Mo.
Milliken Brothers, New York.
Minneapolis Steel and Machinery Company, Minneapolis, Minn.
Modern Steel Structural Company, Waukesha, Wis.
John Mohr & Sons, Chicago, Ill.
Munson Bros. Company, Utica, N. Y.
National Iron Company, West Duluth, Minn.
New Castle Bridge Company, Indianapolis, Ind.
New England Structural Company, Everett, Mass.
Pennsylvania Steel Company, Philadelphia, Pa.
Pittsburg Steel Construction Company, Pittsburg, Pa.
Puget Sound Bridge and Dredging Company, Seattle, Wash.
Riter-Conley Manufacturing Company, Pittsburg, Pa.
Russel Wheel and Foundry Company, Detroit, Mich.
The Springfield Bridge and Iron Company, Springfield, Ill..
The Van Dorn Iron Works Company, Cleveland, Ohio.
The Vulcan Iron Works, Seattle, Wash.
Western Gas Construction Company, Fort Wayne, Ind.
Wisconsin Bridge and Iron Company, Milwaukee, Wis.

2910—STUDS, SHOE LACING.

Tubular Rivet and Stud Company, Boston, Mass.

2911—STUFFERS, SAUSAGE.

Brecht B. S. Co., St. Louis, Mo.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.

2911—STUFFERS, SAUSAGE—Continued.

Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa.
Bernard Gloekler, Pittsburg, Pa.
Silver Manufacturing Company, Salem, Ohio.

2912—SUGAR.

Leon Godchaux Company, Ltd., New Orleans, La.
W. J. McCahan Sugar Refining Company, Philadelphia, Pa.
John T. Moore Planting Company, Ltd., Schriever, La.
National Sugar Refining Company of New Jersey, New York.
Leonce M. Soniat, Dorcyville, La.
Western Sugar Refining Company, San Francisco, Cal.

2913—SUGAR CANE IMPLEMENTS.

Bodley Wagon Company, Memphis, Tenn.
Boland & Gschwind Company, New Orleans, La.
Hench, Dromgold & Co., York, Pa.
Iowa Farming Tool Company, Fort Madison, Iowa.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Lidgerwood Manufacturing Company, New York.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
James McKay & Co., Pittsburg, Pa.
Pusey & Jones Company, Wilmington, Del.

2914—SUGAR, GRAPE.

The Glucose Sugar Refining Company, Chicago, Ill.
Warner Sugar Refining Company, Waukegan, Ill.

2915—SUIT CASES.

Headley & Farmer Company, Newark, N. J.
The Henderson-Ames Company, Kalamazoo, Mich.
Henry Likly & Co., Rochester, N. Y.
The M. C. Lilley & Co., Inc., Columbus, Ohio.
Meier & Schuknecht, Detroit, Mich.
The Homer Young Company, Toledo, Ohio.

2916—SUITINGS, WOOLEN AND WORSTED.

American Woolen Company, Boston, Mass.
Botany Worsted Mills, Passaic, N. J.
Concord Manufacturing Company, Penacook, N. H.
Deering, Milliken & Co., New York.
Folwell, Bro. & Co., Inc., Philadelphia, Pa.
Globe Woolen Company, Utica, N. Y.
Benj. W. Greer, Philadelphia, Pa.
George C. Hetzel & Co., Chester, Pa.
The Jamestown Worsted Mills, Jamestown, N. Y.
Lymansville Company, Providence, R. I.
Meyer & Goetze, New York.
National and Providence Worsted Mills, Providence, R. I.
Perseverance Worsted Company, Woonsocket, R. I.
Southwark Mills Company, Philadelphia, Pa.
William Wood & Co., Philadelphia, Pa.

2917—SUITS, WOMEN'S.

Max M. Schwarcz & Co., New York.
Strawbridge & Clothier, Philadelphia, Pa.

2918—SULKIES, TRACK, PNEUMATIC TIRED.

W. S. Frazier & Co., Aurora, Ill.

2919—SULPHUR.

Franklin H. Kalbfleisch Company, New York.

2920—SULPHUR DIOXIDE.

Franklin H. Kalbfleisch Company, New York.

2921—SUPERHEATERS, STEAM.

Bartlett, Hayward & Co., Baltimore, Md.
Erie City Iron Works, Erie, Pa.
Stewart Heater Company, Buffalo, N. Y.
George D. Whitcomb Company, Chicago, Ill.

2922—SUPERPHOSPHATE.

American Agricultural Chemical Company, New York.
Virginia-Carolina Chemical Company, Richmond, Va.

2923—SURFACE GRINDERS, PLAIN AND AUTOMATIC.

The Bridgeport Safety Emery Wheel Company, Bridgeport, Conn.
Jas. Clark, Jr., & Co., Louisville, Ky.
Diamond Machine Company, Providence, R. I.
Farrel Foundry and Machine Company, Ansonia, Conn.
Landis Tool Company, Waynesboro, Pa.
Manning, Maxwell & Moore, New York.
Norton Emery Wheel Company, Worcester, Mass.
The Standard Optical Company, Geneva, N. Y.
Trump Brothers Machine Company, Wilmington, Del.

2924—SURGICAL APPLIANCES.

Consolidated Dental Manufacturing Company, New York.
Davol Rubber Company, Providence, R. I.
Greenpoint Metallic Bed Company, Brooklyn, N. Y.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Johnson & Johnson, New Brunswick, N. J.
Kny-Scheerer Company, New York.
J. Ellwood Lee Company, Conshohocken, Pa.
A. A. Marks, New York.
Seabury & Johnson, New York.
Stanley & Patterson, Inc., New York.
Tyer Rubber Company, Andover, Mass.

2925—SURREYS.

H. H. Babcock Company, Watertown, N. Y.
S. E. Baily & Co., Lancaster, Pa.
Banner Buggy Company, St. Louis, Mo.
Barnett Carriage Company, Cincinnati, Ohio.
Columbia Carriage Company, Hamilton, Ohio.
The Columbus Carriage and Harness Company, Columbus, Ohio.
Elkhart Carriage and Harness Manufacturing Company, Elkhart, Ind.
The Flint Wagon Works, Flint, Mich.
W. S. Frazier & Co., Aurora, Ill.
Fuller Buggy Company, Jackson, Mich.
Hassett & Hodge, Amesbury, Mass.
Hercules Buggy Company, Evansville, Ind.
H. E. Holmes & Co., San Francisco, Cal.
James & Mayer Buggy Company, Lawrenceburg, Ind.
W. H. Kiblinger Company, Auburn, Ind.
La Porte Carriage Company, La Porte, Ind.
The Martin Carriage Works, York, Pa.
Michigan Buggy Company, Kalamazoo, Mich.
Milburn Wagon Company, Toledo, Ohio.

2925—SURREYS—Continued.

H. A. Moyer, Syracuse, N. Y.
The New Haven Carriage Company, New Haven, Conn.
Parry Manufacturing Company, Indianapolis, Ind.
Racine-Sattley Company, Springfield, Ill.
Rock Island Buggy Company, Rock Island, Ill.
R. D. Scott & Co., Pontiac, Mich.
Schubert Bros. Gear Company, Oneida, N. Y.
D. M. Sechler Carriage Company, Moline, Ill.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Velie Carriage Company, Moline, Ill.
Westcott Carriage Company, Richmond, Ind.

2926—SUSPENDERS.

The C. A. Edgarton Manufacturing Company, Shirley, Mass.
The Ohio Suspender Company, Mansfield, Ohio.
Pioneer Suspender Company, Philadelphia, Pa.

2927—SWAGES, SAW.

E. C. Atkins & Co., Indianapolis, Ind.
Henry Disston & Co., Inc.. Philadelphia, Pa.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
The New Britain Machine Company, New Britain, Conn.

2928—SWEATERS, COTTON AND WOOL.

Gilbert Knitting Company, Little Falls, N. Y.

2929—SWEEPERS, CARPET.

National Sweeper Company, Marion, Ind.

2930—SWEEPERS, LAWN.

Philadelphia Lawn Mower Company, Philadelphia, Pa.

2931—SWEEPERS, STREET.

Studebaker Brothers Manufacturing Company, South Bend, Ind.

2932—SWEEPERS, STREET RAILWAY.

J. G. Brill Company, Philadelphia, Pa.
McGuire-Cummings Manufacturing Company, Chicago, Ill.
Peckham Manufacturing Company, New York.
Wason Manufacturing Company, Springfield, Mass.

2933—SWINGS, LAWN.

A. Buch's Sons Company, Elizabethtown, Pa.
Kelly Foundry and Machine Company, Goshen, Ind.
Keystone Farm Machine Company, York, Pa.
National Novelty Corporation, New York.
Olds Wagon Works, Fort Wayne, Ind.

2934—SWITCHBOARDS, ELECTRIC (TELEPHONE, LIGHT, ETC.).

American Electric Telephone Company, Chicago, Ill.
Albert & J. M. Anderson Manufacturing Company, Boston, Mass.
The E. G. Bernard Company, Troy, N. Y.
Bossert Electric Construction Company, Utica, N. Y.
Chase-Shawmut Company, Newburyport, Mass.
Crouse-Hinds Company, Syracuse, N. Y.
Doubleday-Hill Electric Company, Pittsburg, Pa.
Fort Wayne Electric Works, Inc., Fort Wayne, Ind.
Holtzer-Cabot Electric Company, Brookline, Mass.
The Jones Electrical Company, New York.
Kellogg Switchboard and Supply Company, Chicago, Ill.

2934—SWITCHBOARDS, ELECTRIC, ETC.—Continued.

Monarch Telephone Manufacturing Company, Chicago, Ill.
The North Electric Company, Cleveland, Ohio.
Stanley & Patterson, Inc., New York.
Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y.
The Sumter Telephone Manufacturing Company, Sumter, S. C.
Triumph Electric Company, Cincinnati, Ohio.
Westinghouse Electric and Manufacturing Company, Pittsburg, Pa.

2935—SWITCHES, RAILWAY.

(See Frogs and Switches.)

2936—SYRINGES, FOUNTAIN.

Davidson Rubber Company, Boston, Mass.
Davol Rubber Company, Providence, R. I.
B. F. Goodrich Company, Akron, Ohio.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Hodgman Rubber Company, New York.
Tyer Rubber Company, Andover, Mass.

2937—SYRINGES, HARD RUBBER.

American Hard Rubber Company, New York.
Davidson Rubber Company, Boston, Mass.
Davol Rubber Company, Providence, R. I.
B. F. Goodrich Company, Akron, Ohio.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Hodgman Rubber Company, New York.
Morgan & Wright, Chicago, Ill.
Tyer Rubber Company, Andover, Mass.

2938—SYRINGES, HYPODERMIC.

The G. F. Harvey Company, Saratoga Springs, N. Y.
Henry Weinhagen, New York.

2939—SYRINGES, METAL.

A. H. Wirz, Philadelphia, Pa.

2940—SYRUPS.

The American Preserve Company, Philadelphia, Pa.
Dodson-Braun Manufacturing Company, St. Louis, Mo.
The Glucose Sugar Refining Company, Chicago, Ill.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Gustave A. Jahn & Co., Inc., New York.
Francis H. Leggett & Co., New York.
Eli Lilly & Co., Indianapolis, Ind.
Liquid Carbonic Company, Chicago, Ill.
W. J. McCahan Sugar Refining Company, Philadelphia, Pa.
National Sugar Refining Company of New Jersey, New York.
Parke, Davis & Co., Detroit, Mich.
Frederick Stearns & Co., Detroit, Mich.
Taft's Asthmalene Company, New York.
Henry K. Wampole & Co., Philadelphia, Pa.
Warner Sugar Refining Company, Waukegan, Ill.
William R. Warner & Co., Philadelphia, Pa.
John Wyeth & Brother, Inc., Philadelphia, Pa.

2941—SYRUP, MAPLE.

Francis H. Leggett & Co., New York.

2942—TABLE COVERS.

John Bromley & Sons, Philadelphia, Pa.
Hoyle, Harrison & Kaye, Philadelphia, Pa.

2943—TABLES, BEDSIDE.

The Udell Works, Indianapolis, Ind.
Union Wire Mattress Company, Chicago, Ill.

2944—TABLES, BILLIARD AND POOL.

The Brunswick-Balke-Collender Company, New York.
B. A. Stevens, Toledo, Ohio.

2945—TABLES, CARD, CAFE, ETC.

National Novelty Corporation, New York.
B. A. Stevens, Toledo, Ohio.
The Udell Works, Indianapolis, Ind.

2946—TABLES, CARVING.

The Udell Works, Indianapolis, Ind.
John Van Range Company, Cincinnati, Ohio.

2947—TABLES, DINING ROOM.

Berkey & Gay Furniture Company, Grand Rapids, Mich.
Doernbecher Manufacturing Company, Portland, Ore.
New York Dimension Supply Company, New York.
Phoenix Furniture Company, Grand Rapids, Mich.
Royal Furniture Company, Grand Rapids, Mich.
Seattle Mattress and Upholstery Company, Seattle, Wash.
Stow & Davis Furniture Company, Grand Rapids, Mich.

2948—TABLES, OFFICE, LIBRARY, PARLOR, ETC.

The A. H. Andrews Company, Chicago, Ill.
The Bailey Jones Company, Jamestown, N. Y.
Berkey & Gay Furniture Company, Grand Rapids, Mich.
Carman Manufacturing Company, Tacoma, Wash.
Chattanooga Furniture Company, Chattanooga, Tenn.
Conrey & Birely Table Company, Shelbyville, Ind.
Derby Desk Company, Boston, Mass.
Doernbecher Manufacturing Company, Portland, Ore.
J. F. Dietz & Co., Cincinnati, Ohio.
The Fremont Furniture Company, Fremont, Ohio.
Karges Furniture Company, Evansville, Ind.
Library Bureau, Boston, Mass.
Muskegon Valley Furniture Company, Muskegon, Mich.
Maddox Table Company, Jamestown, N. Y.
Morgan Manufacturing Company, Jamestown, N. Y.
National Novelty Corporation, New York.
Nelson-Matter Furniture Company, Grand Rapids, Mich.
New York Dimension Supply Company, New York.
Oriel Cabinet Company, Grand Rapids, Mich.
Phoenix Furniture Company, Grand Rapids, Mich.
Retting Furniture Company, Grand Rapids, Mich.
Royal Furniture Company, Grand Rapids, Mich.
Seattle Mattress and Upholstery Company, Seattle, Wash.
The Spencer & Barnes Company, Benton Harbor, Mich.
Stickley Brothers Company, Grand Rapids, Mich.
Stow & Davis Furniture Company, Grand Rapids, Mich.
Yawman & Erbe Manufacturing Company, Rochester, N. Y.

2949—TABLES, SPACING.

Long & Allstatter Company, Hamilton, Ohio.

2950—TABLES, STEAM.

Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

2951—TABLES, SURGICAL.

W. D. Allison Company, Indianapolis, Ind.
Greenpoint Metallic Bed Company, Brooklyn, N. Y.
Kny-Scheerer Company, New York.
J. Ellwood Lee Company, Conshohocken, Pa.

2952—TABLES, TRANSFER.

Brown Hoisting Machinery Company, Cleveland, Ohio.

2953—TABLEWARE, GOLD-PLATED.

M. S. Benedict Manufacturing Company, East Syracuse, N. Y.
International Silver Company, Meriden, Conn.
Rockford Silver Plate Compay, Rockford, Ill.

2954—TABLEWARE, SILVER-PLATED.

(See Silverware, Plated.)

2955—TABLEWARE, STERLING SILVER.

(See Silverware, Sterling.)

2956—TABLETS, MEDICINAL.

Billings Clapp Company, Boston, Mass.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Henry Heide, New York.
Keasbey & Mattison Company, Ambler, Pa.
Eli Lilly & Co., Indianapolis, Ind.
National Licorice Company, Brooklyn, N. Y.
Parke, Davis & Co., Detroit, Mich.
Seabury & Johnson, New York.
Smith Brothers, Poughkeepsie, N. Y.
Frederick Stearns & Co., Detroit, Mich.
Taft's Asthmalene Company, New York.
Wallace & Co., New York.
William R. Warner & Co., Philadelphia, Pa.
Henry K. Wampole & Co., Philadelphia, Pa.
John Wyeth & Brother, Inc., Philadelphia, Pa.

2957—TABLETS, MEMORIAL.

Gorham Manufacturing Company, New York.
Philadelphia White Bronze Monument Company, Philadelphia, Pa.
The Standard Company, Chicago, Ill.
Jno. Williams, New York.

2958—TABLETS, PAPER AND BLOTTER.

J. C. Blair Company, Huntingdon, Pa.
George H. Friend Paper and Tablet Company, West Carrollton, Ohio.
Garden City Tablet Company, Elkhart, Ind.
John Mehl & Co., Jersey City, N. J.
Reynolds & Reynolds Company, Dayton, Ohio.
Saugerties Manufacturing Company, Saugerties, N. Y.

2959—TACK PLATE, STEEL.

Norton Iron Works, Ashland, Ky.

2960—TACKS.

Anchor Nail and Tack Works, Pittsburg, Pa.
Grand Crossing Tack Company, Chicago, Ill.
Judson Manufacturing Company, San Francisco, Cal.

2960—TACKS—Continued.

Rome Brass and Copper Company, Rome, N. Y.
Salem Nail Company, New York.

2961—TAGS, METAL.

Brandt Cashier Company, Chicago, Ill.
Corbin Cabinet Lock Company, New Britain, Conn.
J. F. W. Dorman Company, Baltimore, Md.
A. H. Peirce Manufacturing Company, Chicago, Ill.
Scovill Manufacturing Company, Waterbury, Conn.

2962—TAGS, SHIPPING.

American Tag Company, Chicago, Ill.
The Scharf Tag, Label and Box Company, Ypsilanti, Mich.
Thomas Stationery Manufacturing Company, Springfield, Ohio.

2963—TAILORS' SUPPLIES.

Bless & Drake, Newark, N. J.
Brainerd & Armstrong Company, New London, Conn.
Chattanooga Implement and Manufacturing Co., East Chattanooga, Tenn.
The Faatz-Reynolds Felting Company, Lestershire, N. Y.
German-American Button Company, Rochester, N. Y.
International Cutlery Company, Fremont, Ohio.
The Jno. J. Mitchell Company, New York.
Niagara Paper Mills, Lockport, N. Y.
The William Strange Company, New York.
Thilmany Pulp and Paper Company, Kaukauna, Wis.
J. Wiss & Sons Co., Newark, N. J.

2964—TALC.

Binney & Smith Company, New York.
Hammill & Gillespie, New York.
D. M. Steward Manufacturing Company, Chattanooga, Tenn.

2965—TALKING MACHINES AND RECORDS.

(See Phonographs.)

2966—TALLOW.

(See Beef Products.)

2967—TANKS, COPPER.

E. B. Badger & Sons Company, Boston, Mass.
Buffalo Forge Company, Buffalo, N. Y.
Hoffman-Ahlers Company, Inc., Cincinnati, Ohio.
Quintard Iron Works Company, New York.
The Robinson Manufacturing Company, Toledo, Ohio.

2968—TANKS, IRON AND STEEL.

American Can Company, New York.
American Radiator Company, Chicago, Ill.
Atlantic Works, East Boston, Mass.
The Aultman & Taylor Machinery Company, Mansfield, Ohio.
Bartlett, Hayward & Co., Baltimore, Md.
Berlin Construction Company, Berlin, Conn.
Bigelow Company, New Haven, Conn.
Bliss & Van Auken, Saginaw, Mich.
John Brennan & Co., Inc., Detroit, Mich.
Broomell, Schmidt & Steacy Company, York, Pa.
A. Buch's Sons Company, Elizabethtown, Pa.
W. E. Caldwell Company, Louisville, Ky.
W. J. Clark Company, Salem, Ohio.

2968—TANKS, IRON AND STEEL—Continued.

Chicago Bridge and Iron Works, Chicago, Ill.
Christopher Cunningham, Brooklyn, N .Y.
E. J. Codd Company, Baltimore, Md.
The J. D. Connell Iron Works, New Orleans, La.
Consolidated Pipe Company, Los Angeles, Cal.
Fairbanks, Morse & Co., Chicago, Ill.
Farrar & Trefts, Buffalo, N. Y.
Flint & Walling Manufacturing Company, Kendallville, Ind.
Frick Company, Waynesboro, Pa.
Fulton Engine Works, Los Angeles, Cal.
Peter Gray & Sons, Boston, Mass.
Harrisburg Manufacturing and Boiler Company, Harrisburg, Pa.
Houchin & Huber, Brooklyn, N. Y.
Illinois Malleable Iron Company, Chicago, Ill.
Johnson Service Company, Milwaukee, Wis.
Kelly Foundry and Machine Company, Goshen, Ind.
L. O. Koven & Brother, New York.
Lacy Manufacturing Company, Los Angeles, Cal.
James Lappan Manufacturing Company, Pittsburg, Pa.
Link-Belt Engineering Company, Nicetown. Philadelphia, Pa.
Logan Iron Works, Brooklyn, N. Y.
Lombard Iron Works and Supply Company, Augusta, Ga.
Lookout Boiler and Manufacturing Company, Chattanooga, Tenn.
James McNeil & Bro. Company, Pittsburg, Pa.
Milliken Brothers, New York.
R. S. Newbold & Son Company, Norristown, Pa.
New York Central Iron Works Company, Geneva, N. Y.
Nordyke & Marmon Company, Indianapolis, Ind.
Oil Well Supply Company, Pittsburg, Pa.
Petroleum Iron Works Company, Washington, Pa.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
The Portland Company, Portland, Me.
Quintard Iron Works Company, New York.
The Reeves Brothers Company, Alliance, Ohio.
Riter-Conley Manufacturing Company, Pittsburg, Pa.
M. Rumely Company, La Porte, Ind.
The Springfield Bridge and Iron Company, Springfield, Ill.
Tippett & Wood, Phillipsburg, N. J.
The Titusville Iron Company, Titusville, Pa.
E. Van Winkle Gin and Machine Works, Atlanta, Ga.
Henry Vogt Machine Company, Louisville, Ky.
Western Gas Construction Company, Fort Wayne, Ind.
R. D. Wood & Co., Philadelphia, Pa.

2969—TANKS, POTTERY.

Gladding, McBean & Co., San Francisco, Cal.
The Great Western Pottery Company, Kokomo, Ind.
Pass & Seymour, Inc., Solvay, N. Y.

2970—TANKS, SODA WATER.

Avery Stamping Company, Cleveland, Ohio.
National Tube Company, Pittsburg, Pa.

2971—TANKS, WOODEN.

Bliss & Van Auken, Saginaw, Mich.
W. E. Caldwell Company, Louisville, Ky.
R. H. Downman, New Orleans, La.
Findeisen & Kropf Manufacturing Company, Chicago, Ill.
Flint & Walling Manufacturing Company, Kendallville, Ind.

2971—TANKS, WOODEN—Continued.

Florence Pump and Lumber Company, Memphis, Tenn.
Grays Harbor Commercial Company, San Francisco, Cal.
Hightower Box and Tank Company, Atlanta, Ga.
C. A. Hooper & Co., San Francisco, Cal.
Kalamazoo Tank and Silo Company, Kalamazoo, Mich.
New York Dimension Supply Company, New York.
Pfau Manufacturing Company, Cincinnati, Ohio.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
Pioneer Cooperage Company, Chicago, Ill.
M. Rumely Company, La Porte, Ind.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.
J. N. Struck & Bro., Inc., Louisville, Ky.
Union Cooperage Company, St. Louis, Mo.
David Woerner Cooperage Company, San Francisco, Cal.

2972—TANNIN.

Rosengarten & Sons, Inc., Philadelphia, Pa.
The Selling Company, New York.

2973—TAPE, COTTON.

Bibb Manufacturing Company, Macon, Ga.
Fletcher Manufacturing Company, Providence, R. I.
Hope Webbing Company, Providence, R. I.

2974—TAPE, ELASTIC.

The American Mills Company, Waterbury, Conn.
Diamond Rubber Company, Akron, Ohio.
B. F. Goodrich Company, Akron, Ohio.
Hope Webbing Company, Providence, R. I.

2975—TAPE, INSULATING.

The Diamond Rubber Company, Akron, Ohio.
B. F. Goodrich Company, Akron, Ohio.
The Paraffine Paint Company, San Francisco, Cal.
The Standard Paint Company, New York.
Stanley & Patterson, Inc., New York.

2976—TAPES, MEASURING.

W. & L. E. Gurley, Inc., Troy, N. Y.
Keuffel & Esser Company, New York.
The Lufkin Rule Company, Saginaw, Mich.
L. S. Starrett Company, Athol, Mass.

2977—TAPE, UPHOLSTERERS'.

Vogt Manufacturing and Coach Lace Company, Rochester, N. Y.

2978—TAPESTRY.

John Bromley & Sons, Philadelphia, Pa.
Hoyle, Harrison & Kaye, Philadelphia, Pa.
Manville Company, Providence, R. I.

2979—TAPS AND DIES.

Acme Machinery Company, Cleveland, Ohio.
Armstrong Manufacturing Company, Bridgeport, Conn.
Brown & Sharpe Manufacturing Company, Providence, R. I.
Cleveland Twist Drill Company, Cleveland, Ohio.
Detrick & Harvey Machine Company, Baltimore, Md.
Eaton, Cole & Burnham Company, New York.
The Garvin Machine Company, New York.
Geometric Drill Company, New Haven, Conn.

2979—TAPS AND DIES—Continued.

Gould & Eberhardt, Newark, N. J.
Hoggson & Pettis Manufacturing Company, New Haven, Conn.
Howard Iron Works, Buffalo, N. Y.
Jarecki Manufacturing Company, Erie, Pa.
The Kelly & Jones Company, New York.
Manning, Maxwell & Moore, New York.
Merrell Manufacturing Company, Toledo, Ohio.
Morse Twist Drill and Machine Company, New Bedford, Mass.
National-Acme Manufacturing Company, Cleveland, Ohio.
National Machinery Company, Tiffin, Ohio.
Niles-Bement-Pond Company, New York.
Reed Manufacturing Company, Erie, Pa.
Seneca Falls Manufacturing Company, Seneca Falls, N. Y.
Standard Tool Company, Cleveland, Ohio.
Walworth Manufacturing Company, Boston, Mass.
The Warner & Swasey Company, Cleveland, Ohio.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.
Wells Bros. Company, Greenfield, Mass.
Whitney Manufacturing Company, Hartford, Conn.

2980—TAPS, WOOD.

John Sommer's Son, Newark, N. J.
United States Bung Manufacturing Company, Brooklyn, N. Y.

2981—TAR, COAL.

Barrett Manufacturing Company, New York.
Warren-Ehret Company, Philadelphia, Pa.

2982—TAR (COAL) PRODUCTS.

American Dyewood Company, Philadelphia, Pa.
F. E. Atteaux & Co., Boston, Mass.
Barrett Manufacturing Company, New York.
The Bull's Ferry Chemical Company, Shadyside, N. J.
Samuel Cabot, Boston, Mass.
The Heyden Chemical Works, New York.
Herman A. Metz, New York.
The Paraffine Paint Company, San Francisco, Cal.
Schoellkopf, Hartford & Hanna Company, Buffalo, N. Y.

2983—TAR, PINE.

R. McWilliams, Ltd., New Orleans, La.
John Wyeth & Brother, Inc., Philadelphia, Pa.

2984—TARGETS, CLAY.

W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.

2985—TARPAULINS, WATERPROOF.

The Cleveland-Akron Bag Company, Cleveland, Ohio.
Fulton Bag and Cotton Mills, New York.
Morris & Co., Groveville, N. J.
A. J. Tower Company, Boston, Mass.

2986—TARTAR EMETIC.

Franklin H. Kalbfleisch Company, New York.

2987—TEAS.

Francis H. Leggett & Co., New York.
Tone Brothers, Des Moines, Iowa.

2938—TEDDERS, HAY.

Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Benicia Iron Works, Benicia, Cal.
Harrow Spring Company, Kalamazoo, Mich.
International Harvester Company of America, Chicago, Ill.
Frank C. Patten Company, Sycamore, Ill.

2989—TEETH, ARTIFICIAL.

Consolidated Dental Manufacturing Company, New York.
S. S. White Dental Manufacturing Company, Philadelphia, Pa.

2990—TEETH, CULTIVATOR.

The Empire Plow Company, Cleveland, Ohio.
Harrow Spring Company, Kalamazoo, Mich.

2991—TEETH, HARROW.

Harrow Spring Company, Kalamazoo, Mich.
Hench, Dromgold & Co., York, Pa.
Inland Steel Company, Chicago, Ill.
Oliver Iron and Steel Company, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.

2992—TEETH, THRESHING MACHINE.

The Akron Machine Company, Akron, Ohio.
Transue & Williams Company, Alliance, Ohio.

2993—TELEGRAPH AND TELEPHONE SUPPLIES.

(See also Electrical Supplies.)

American Electric Telephone Company, Chicago, Ill.
American Hard Rubber Company, New York.
Auburn Button Works, Auburn, N. Y.
The E. G. Bernard Company, Troy, N. Y.
Bossert Electric Construction Company, Utica, N. Y.
Bridgeport Brass Company, Bridgeport, Conn.
Central Manufacturing Company, Chattanooga, Tenn.
Crouse-Hinds Company, Syracuse, N. Y.
Cumberland Telephone and Telegraph Company, Nashville, Tenn.
Doubleday-Hill Electric Company, Pittsburg, Pa.
Florence Wagon Works, Florence, Ala.
Fort Wayne Electric Works, Inc., Fort Wayne, Ind.
General Electric Company, Schenectady, N. Y.
Holtzer-Cabot Electric Company, Brookline, Mass.
The Jones Electrical Company, New York.
Kellogg Switchboard and Supply Company, Chicago, Ill.
Michigan Bolt and Nut Works, Detroit, Mich.
Monarch Electric and Wire Company, Chicago, Ill.
Monarch Telephone Manufacturing Company, Chicago, Ill.
Alfred F. Moore, Philadelphia, Pa.
The Niagara Clip Company, New York.
The North Electric Company, Cleveland, Ohio.
Oliver Iron and Steel Company, Pittsburg, Pa.
Peru Electric Manufacturing Company, Peru, Ind.
Pettingell-Andrews Company, Boston, Mass.
Phillips Insulated Wire Company, Pawtucket, R. I.
Standard Underground Cable Company, Pittsburg, Pa.
Stanley & Patterson, Inc., New York.
Stromberg-Carlson Telephone Manufacturing Company, Rochester, N .Y.
The Sumter Telephone Manufacturing Company, Sumter, S. C.

to manufacturers whose names are given in this book.

2894—TELEPHONE COMPANIES.

Cumberland Telephone and Telegraph Company, Nashville, Tenn.
Rocky Mountain Bell Telephone Company, Salt Lake City, Utah.

2995—TELEPHONE WOODWORK.

(See Woodwork, Telephone.)

2996—TELEPHONES.

American Electric Telephone Company, Chicago, Ill.
Cumberland Telephone and Telegraph Company, Nashville, Tenn.
Holtzer-Cabot Electric Company, Brookline, Mass.
The Jones Electrical Company, New York.
Kellogg Switchboard and Supply Company, Chicago, Ill.
Monarch Telephone Manufacturing Company, Chicago, Ill.
The North Electric Company, Cleveland, Ohio.
Stanley & Patterson, Inc., New York.
Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y.
The Sumter Telephone Manufacturing Company, Sumter, S. C.

2997—TENDERS, TRACTION ENGINE.

Parsons Band Cutter and Self-Feeder Company, Newton, Iowa.

2998—TENONERS, WOOD.

(See Machinery, Wood Working.)

2999—TENTS.

Ames & Harris, Inc., San Francisco, Cal.
Marshall-Wells Hardware Company, Duluth, Minn.

3000—TERRA ALBA.

Hammill & Gillespie, New York.
Keystone Plaster Company, Chester, Pa.

3001—TERRA COTTA, ARCHITECTURAL.

The American Terra Cotta and Ceramic Company, Chicago, Ill.
Atlanta Terra Cotta Company, Atlanta, Ga.
Atlantic Terra Cotta Company, New York.
N. Clark & Sons, San Francisco, Cal.
Gladding, McBean & Co., San Francisco, Cal.
National Fire Proofing Company, Pittsburg, Pa.
The Northwestern Terra Cotta Company, Chicago, Ill.
Washington Brick, Lime and Manufacturing Company, Spokane, Wash.
Winkle Terra Cotta Company, St. Louis, Mo.

3002—TESTERS, FLOUR.

Nordyke & Marmon Company, Indianapolis, Ind.

3003—TESTERS, MILK.

Vermont Farm Machine Company, Bellows Falls, Vt.

3004—TESTERS, YARN.

Brown & Sharpe Manufacturing Company, Providence, R. I.

3005—TEXTILE SIZING.

Arabol Manufacturing Company, New York.
The Bull's Ferry Chemical Company, Shadyside, N. J.

3006—THERMOMETERS, BAROMETERS, ETC.

Henry Weinhagen, New York.

3007—THREAD, COTTON.

Bibb Manufacturing Company, Macon, Ga.
J. & P. Coats, Ltd., Pawtucket, R. I.
Eagle and Phenix Mills, Columbus, Ga.
The Lane Mills, New Orleans, La.

3008—THREAD, INDIA RUBBER.

Empire Rubber Manufacturing Company, Trenton, N. J.
Mechanical Fabric Company, Providence, R. I.

3009—THREAD, LINEN.

Linen Thread Company, New York.

3010—THREAD, SILK.

(See Silk, Sewing.)

3011—THRESHER ATTACHMENTS AND SUPPLIES.

Advance Thresher Company, Battle Creek, Mich.
Belle City Manufacturing Company, Racine Junction, Wis.
Birdsell Manufacturing Company, South Bend, Ind.
Buffalo Pitts Company, Buffalo, N. Y.
J. I. Case Threshing Machine Company, Racine, Wis.
Frick Company, Waynesboro, Pa.
Gaar, Scott & Co., Richmond, Ind.
Geiser Manufacturing Company, Waynesboro, Pa.
Huber Manufacturing Company, Marion, Ohio.
Parsons Band Cutter and Self-Feeder Company, Newton, Iowa.
Port Huron Engine and Thresher Company, Port Huron, Mich.
M. Rumely Company, La Porte, Ind.
Sandwich Manufacturing Company, Sandwich, Ill.

3012—THRESHERS.

Advance Thresher Company, Battle Creek, Mich.
Aultman Company, Canton, Ohio.
Aultman & Taylor Machinery Company, Mansfield, Ohio.
Belle City Manufacturing Company, Racine Junction, Wis.
Buffalo Pitts Company, Buffalo, N. Y.
Cardwell Machine Company, Richmond, Va.
J. I. Case Threshing Machine Company, Racine, Wis.
A. B. Farquhar & Co., New York.
Frick Company, Waynesboro, Pa.
Gaar, Scott & Co., Richmond, Ind.
Geiser Manufacturing Company, Waynesboro, Pa.
Heilman Machine Works, Evansville, Ind.
Huber Manufacturing Company, Marion, Ohio.
Port Huron Engine and Thresher Company, Port Huron, Mich.
Reeves & Co., Columbus, Ind.
M. Rumely Company, La Porte, Ind.

3013—THRESHERS, RICE.

Buffalo Forge Company, Buffalo, N. Y.
Buffalo Pitts Company, Buffalo, N. Y.
The Cardwell Machine Company, Richmond, Va.
Engelberg Huller Company, Syracuse, N. Y.
Gaar, Scott & Co., Richmond, Ind.

3014—TICKINGS.

P. R. Mitchell Company, Cincinnati, Ohio.

3015—TIE BARS, RAILWAY.

Morden Frog and Crossing Works, Chicago, Ill.

3016—TIE PLATES, RAILWAY.

Dilworth, Porter & Co., Ltd., Pittsburg, Pa.
Morden Frog and Crossing Works, Chicago, Ill.
Oliver Iron and Steel Company, Pittsburg, Pa.
Railway Appliances Company, Chicago, Ill.

3017—TIES, COTTON.

(See Hoops, Iron and Steel.)

3018—TIES, RAILWAY.

Albion Lumber Company, San Francisco, Cal.
Francis Beidler & Co., Chicago, Ill.
The Ford River Lumber Company, Wells, Mich.

3019—TIES, RAILWAY, STEEL.

Avery Stamping Company, Cleveland, Ohio.

3020—TIGHTS.

Max Lowenthal & Brother, Rochester, N. Y.

3021—TILE, BUILDING, HOLLOW.

W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.
Gladding, McBean & Co., San Francisco, Cal.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
The Mackolite Fireproofing Company, Chicago, Ill.
National Fire Proofing Company, Pittsburg, Pa.
Parker-Russell Mining and Manufacturing Company, St. Louis, Mo.

3022—TILE, DRAIN, VITRIFIED.

American Enameled Brick and Tile Company, New York.
Blackmer & Post Pipe Company, St. Louis, Mo.
W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.
Evens & Howard Fire Brick Company, St. Louis, Mo.
Gladding, McBean & Co., San Francisco, Cal.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
Monmouth Mining and Manufacturing Company, Monmouth, Ill.
Montague & Co., Chattanooga, Tenn.
The J. L. Mott Iron Works, New York.
Myers Clay Manufacturing Company, Toronto, Ohio.
Robinson Clay Product Company, Akron, Ohio.
H. Stevens' Sons Company, Macon, Ga.
Trent Tile Company, Trenton, N. J.

3023—TILES, ENAMELED, GLAZED, ETC.

American Enameled Brick and Tile Company, New York.
American Encaustic Tiling Company, Ltd., New York.
The Cambridge Tile Manufacturing Company, Covington, Ky.
Gladding, McBean & Co., San Francisco, Cal.
The Mosaic Tile Company, Zanesville, Ohio.
The J. L. Mott Iron Works, New York.
National Tile Company, Anderson, Ind.
The C. Pardee Works, Perth Amboy, N. J.
Tiffany Enameled Brick Company, Momence, Ill.
Trent Tile Company, Trenton, N. J.

3024—TILE, FIRE.

American Sewer Pipe Company, Pittsburg, Pa.
Christy Fire Clay Company, St. Louis, Mo.
N. Clark & Sons, San Francisco, Cal.
The Denver Fire Clay Company, Denver, Col.
W. S. Dickey Clay Manufacturing Company, Kansas City, Mo.

3024—TILE, FIRE—Continued.

Evens & Howard Fire Brick Company, St. Louis, Mo.
Gladding, McBean & Co., San Francisco, Cal.
The Kier Fire Brick Company, Pittsburg, Pa.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
The Mackolite Fireproofing Company, Chicago, Ill.
Monmouth Mining and Manufacturing Company, Monmouth, Ill.
Montague & Co., Chattanooga, Tenn.
Myers Clay Manufacturing Company, Toronto, Ohio.
Parker-Russell Mining and Manufacturing Company, St. Louis, Mo.
H. Stevens' Sons Company, Macon, Ga.
M. D. Valentine & Brother Company, Woodbridge, N. J.

3025—TILE, FLOOR.

American Encaustic Tiling Company, Ltd., New York.
American Sewer Pipe Company, Pittsburg, Pa.
The Cambridge Tile Manufacturing Company, Covington, Ky.
Gladding, McBean & Co., San Francisco, Cal.
Laclede Fire Brick Manufacturing Company, St. Louis, Mo.
The Mackolite Fireproofing Company, Chicago, Ill.
The Mosaic Tile Company, Zanesville, Ohio.
The J. L. Mott Iron Works, New York.
National Fire Proofing Company, Pittsburg, Pa.
National Tile Company, Anderson, Ind.
Trent Tile Company, Trenton, N. J.

3026—TILES, MARBLE.

(See also Slabs, Marble.)

The Kennesaw Marble Company, Marietta, Ga.
The J. L. Mott Iron Works, New York.
Republic Marble Company, Knoxville, Tenn.

3027—TILES, METAL.

Merchant & Co., Inc., Philadelphia, Pa.
W. H. Mullins, Salem, Ohio.

3028—TILE, ROOFING.

American Sewer Pipe Company, Pittsburg, Pa.
Blackmer & Post Pipe Company, St. Louis, Mo.
Gladding, McBean & Co., San Francisco, Cal.
The J. L. Mott Iron Works, New York.

3029—TILING, RUBBER.

Goodyear Tire and Rubber Company, Akron, Ohio.
Grieb Rubber Company, Philadelphia, Pa.

3030—TILLS, ALARM.

Stanley & Patterson, Inc., New York.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.

3031—TIMBER COMPANIES.

Land, Log and Lumber Company, Milwaukee, Wis.
Merrill, Ring & Co., Saginaw, Mich.
C. A. Smith Timber Company, Minneapolis, Minn.

3032—TIMBERS, MINING.

(See Lumber, Fir and Spruce.)

3033—TIME REGISTERS.

(See Registers, Time.)

3034—TIN, BAR.

Colwell Lead Company, New York.
Hendricks Brothers, New York.

3035—TINFOIL.

(See Foil, Tin.)

3036—TINCTURES.

The G. F. Harvey Company, Saratoga Springs, N. Y.
Eli Lilly & Co., Indianapolis, Ind.
Parke, Davis & Co., Detroit, Mich.
Frederick Stearns & Co., Detroit, Mich.
Henry K. Wampole & Co., Philadelphia, Pa.
William R. Warner & Co., Philadelphia, Pa.

3037—TINPLATES.

(See Plates, Tin.)

3038—TINWARE.

American Can Company, New York.
Anchor Stove and Range Company, Inc., Louisville, Ky.
Geuder & Paeschke Manufacturing Company, Milwaukee, Wis.
Hall & Carpenter, Philadelphia, Pa.
H. A. J. Helvig, New York.
Hero Fruit Jar Company, Philadelphia, Pa.
Holbrook, Merrill & Stetson, San Francisco, Cal.
Lalance & Grosjean Manufacturing Company, New York.
F. H. Lawson Company, Cincinnati, Ohio.
Marshall-Wells Hardware Company, Duluth, Minn.
National Enameling and Stamping Company, New York.
Phillips & Buttorff Manufacturing Company, Nashville, Tenn.
Rochester Stamping Company, Rochester, N. Y.
Stuber & Kuck, Peoria, Ill.
William Vogel & Brothers, Brooklyn, N. Y.

3039—TIRE UPSETTERS.

Acme Machinery Company, Cleveland, Ohio.
Buffalo Forge Company, Buffalo, N. Y.
National Machinery Company, Tiffin, Ohio.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

3040—TIRES, LOCOMOTIVE AND CAR WHEEL.

Chrome Steel Works, Brooklyn, N. Y.
Dayton Malleable Iron Company, Dayton, Ohio.
Latrobe Steel Company, Philadelphia, Pa.
Lobdell Car Wheel Company, Wilmington, Del.
Midvale Steel Company, Philadelphia, Pa.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
Republic Iron and Steel Company, Chicago, Ill.
Standard Steel Works, Philadelphia, Pa.
Taylor Iron and Steel Company, High Bridge, N. J.

3041—TIRES, PNEUMATIC.

Diamond Rubber Company, Akron, Ohio.
Empire Rubber Manufacturing Company, Trenton, N. J.
B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.
Hartford Rubber Works Company, Hartford, Conn.
Kokomo Rubber Company, Kokomo, Ind.

3041—TIRES, PNEUMATIC—Continued.

La Porte Carriage Company, La Porte, Ind.
Morgan & Wright, Chicago, Ill.
G. & J. Tire Company, Indianapolis, Ind.

3042—TIRES, SOLID RUBBER.

Consolidated Rubber Tire Company, New York.
Diamond Rubber Company, Akron, Ohio.
Empire Rubber Manufacturing Company, Trenton, N. J.
B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.
Hartford Rubber Works Company, Hartford, Conn.
Kokomo Rubber Company, Kokomo, Ind.
La Porte Carriage Company, La Porte, Ind.
Morgan & Wright, Chicago, Ill.

3043—TOBACCO, CUT AND SHAG.

Lovell & Buffington Tobacco Company, Covington, Ky.
Martin Bros., New York.
Nashville Tobacco Works, Nashville, Tenn.

3044—TOBACCO, SMOKING AND CHEWING.

Lovell & Buffington Tobacco Company, Covington, Ky.
Martin Bros., New York.
Nashville Tobacco Works, Nashville, Tenn.

3045—TOILET GOODS, FANCY.

Florence Manufacturing Company, Florence, Mass.
Hamilton & Hamilton, Jr., Providence, R. I.
L. B. Prahar, Brooklyn, N. Y.

3046—TOILET GOODS, IVORY AND CELLULOID.

Arlington Company, New York.

3047—TOILET GOODS, SILVER.

Theodore W. Foster & Bro. Company, Providence, R. I.
Gorham Manufacturing Company, New York.
Hamilton & Hamilton, Jr., Providence, R. I.
International Silver Company, Meriden, Conn.
The Jennings Brothers Manufacturing Company, Bridgeport, Conn.
Reed & Barton, Taunton, Mass.
R. Wallace & Son's Manufacturing Company, Wallingford, Conn.
Webster Company, North Attleboro, Mass.
Whiting Manufacturing Company, New York.

3048—TOILET PREPARATIONS.

Hall & Ruckel, New York.
Larkin Co., Buffalo, N. Y.
Lazell, Dalley & Co., New York.
Parke, Davis & Co., Detroit, Mich.
Frederick Stearns & Co., Detroit, Mich.

3049—TONGS AND PLIERS.

The Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Clyde Iron Works, Duluth, Minn.
The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
Eberhard Manufacturing Company, Cleveland, Ohio.
The Evansville Tool Works, Evansville, Ind.
National Novelty Corporation, New York.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Peck, Stow & Wilcox Company, Southington, Conn.

3049—TONGS AND PLIERS—Continued.

Fayette R. Plumb, Inc., Philadelphia, Pa.
Reed Manufacturing Company, Erie, Pa.
Vaughan & Bushnell Manufacturing Company, Chicago, Ill.

3050—TONGS, CRUCIBLE.

W. H. Anderson & Sons, Inc., Detroit, Mich.
National Novelty Corporation, New York.

3051—TOOL GRINDERS.

(See Grinders, Tool.)

3052—TOOLS, BAKERS' AND CONFECTIONERS'.

Thomas Mills & Brother, Inc., Philadelphia, Pa.
J. Henry Mitchell, Philadelphia, Pa.

3053—TOOLS, BLACKSMITHS'.

Buffalo Forge Company, Buffalo, N. Y.
The Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Columbian Hardware Company, Cleveland, Ohio.
The Evansville Tool Works, Evansville, Ind.
John H. Graham & Co., New York.
Heller Brothers Company, Newark, N. J.
Iron City Tool Works, Ltd., Pittsburg, Pa.
Kelley, Maus & Co., Chicago, Ill.
David Maydole Hammer Company, Norwich, N. Y.
Nicholson File Company, Providence, R. I.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Frank C. Patten Company, Sycamore, Ill.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Solid Steel Tool and Forge Company, Pittsburg, Pa.
Vaughan & Bushnell Manufacturing Company, Chicago, Ill.
Verona Tool Works, Pittsburg, Pa.
Wickes Brothers, Saginaw, Mich.
Williams, White & Co., Moline, Ill.

3054—TOOLS, BRICKLAYERS' AND MASONS'.

E. C. Atkins & Company, Indianapolis, Ind.
George H. Bishop & Co., Lawrenceburg, Ind.
Cleveland Wire Spring Company, Cleveland, Ohio.
Henry Disston & Sons, Inc., Philadelphia, Pa.
David Maydole Hammer Company, Norwich, N. Y.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Wiebusch & Hilger, Ltd., New York.

3055—TOOLS, BUTCHERS'.

American Cutlery Company, Chicago, Ill.
E. C. Atkins & Co., Indianapolis, Ind.
George H. Bishop & Co., Lawrenceburg, Ind.
Brecht B. S. Co., St. Louis, Mo.
Henry Disston & Sons, Inc., Philadelphia, Pa.
The Evansville Tool Works, Evansville, Ind.
Bernard Gloekler, Pittsburg, Pa.
Goodell-Pratt Company, Greenfield, Mass.
C. E. Jennings & Co., New York.
Lamson & Goodnow Manufacturing Company, Shelbourne Falls, Mass.
Northampton Cutlery Company, Northampton, Mass.
Fayette R. Plumb, Inc., Philadelphia, Pa.
B. A. Stevens, Toledo, Ohio.

3055—TOOLS, BUTCHERS'—Continued.

Vaughan & Bushnell Manufacturing Company, Chicago, Ill.
L. & I. J. White Company, Buffalo, N. Y.
Wiebusch & Hilger, Ltd., New York.

3056—TOOLS, CARPENTERS'.

George H. Bishop & Co., Lawrenceburg, Ind.
Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Collins & Co., New York.
Crescent Machine Company, Leetonia, Ohio.
Henry Disston & Sons, Inc., Philadelphia, Pa.
The Evansville Tool Works, Evansville, Ind.
John S. Fray & Co., Bridgeport, Conn.
Goodell-Pratt Company, Greenfield, Mass.
John H. Graham & Co., New York.
Grand Rapids Hand Screw Company, Grand Rapids, Mich.
C. E. Jennings & Co., New York.
McCaffrey File Company, Philadelphia, Pa.
Mack & Co., Rochester, N. Y.
David Maydole Hammer Company, Norwich, N. Y.
National Novelty Corporation, New York.
Nicholson File Company, Providence, R. I.
Peck, Stow & Wilcox Company, Southington, Conn.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Rockford Bit Company, Kokomo, Ind.
Russell & Erwin Manufacturing Company, New Britain, Conn.
Sandusky Tool Company, Sandusky, Ohio.
Sargent & Co., New York.
Simonds Manufacturing Company, Fitchburg, Mass.
H. B. Smith Machine Company, Smithville, N. J.
Stanley Rule and Level Company, New Britain, Conn.
L. S. Starrett Company, Athol, Mass.
Tower & Lyon Company, New York.
Vaughan & Bushnell Manufacturing Company, Chicago, Ill.
L. & I. J. White Company, Buffalo, N. Y.

3057—TOOLS, CARTRIDGE RELOADING.

M. Hartley Company, New York.
J. Stevens Arms and Tool Company, Chicopee Falls, Mass.

3058—TOOLS, CEMENT WORKERS'.

W. H. Anderson & Sons, Inc., Detroit, Mich.

3059—TOOLS, CONTRACTORS'.

Oliver Ames & Sons Corporation, North Easton, Mass.
W. H. Anderson & Sons, Detroit, Mich.
William Chisholm & Sons, Cleveland, Ohio.
Hussey-Binns Shovel Company, Pittsburg, Pa.
Indiana Rolling Mill Company, New Castle, Ind.
Ingersoll-Sergeant Drill Company, New York.
Iron City Tool Works, Ltd., Pittsburg, Pa.
Kelley, Maus & Co., Chicago, Ill.
The Klein-Logan Company, Pittsburg, Pa.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Oliver Iron and Steel Company, Pittsburg, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Sidney Steel Scraper Company, Sidney, Ohio.

3060—TOOLS, COOPERS'.

Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Mack & Co., Rochester, N. Y.
David Maydole Hammer Company, Norwich, N. Y.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Sandusky Tool Company, Sandusky, Ohio.
Sargent & Co., New York.
United States Bung Manufacturing Company, Brooklyn, N. Y.
L. & I. J. White Company, Buffalo, N. Y.

3061—TOOLS, DRAINAGE.

Oliver Ames & Sons Corporation, North Easton, Mass.
W. H. Anderson & Sons, Inc., Detroit, Mich.
Indiana Rolling Mill Company, New Castle, Ind.

3062—TOOLS, DRILLING.

American Diamond Rock Drill Company, New York.
Baker Iron Works, Los Angeles, Cal.
Crucible Steel Company of America, Pittsburg, Pa.
The Denver Engineering Works Company, Denver, Col.
The Hendrie & Bolthoff Manufacturing and Supply Company, Denver, Col.
Ingersoll-Sergeant Drill Company, New York.
Jeffrey Manufacturing Company, Columbus, Ohio.
Keystone Driller Company, Beaver Falls, Pa.
Leidecker Tool Company, Marietta, Ohio.
Morgan-Gardner Electric Company, Chicago, Ill.
Northern Electrical Manufacturing Company, Madison, Wis.
Oil Well Supply Company, Pittsburg, Pa.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Rand Drill Company, New York.
Star Drilling Machine Company, Akron, Ohio.
George D. Whitcomb Company, Chicago, Ill.

3063—TOOLS, ELECTRIC.

Jas. Clark, Jr., & Co., Louisville, Ky.
Thos. H. Dallett Company, Philadelphia, Pa.
The Denver Engineering Works Company, Denver, Col.
The Hendrie & Bolthoff Manufacturing and Supply Company, Denver, Col.
Jeffrey Manufacturing Company, Columbus, Ohio.
Morgan-Gardner Electric Company, Chicago, Ill.
Northern Electrical Manufacturing Company, Madison, Wis.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
Stow Maufactuing Company, Binghamton, N. Y.

3064—TOOLS, ELECTRICIANS'.

(See also Electrical Supplies.)

H. K. Porter, Everett, Mass.

3065—TOOLS, FARM AND GARDEN.

S. L. Allen & Co., Philadelphia, Pa.
W. H. Anderson & Sons, Inc., Detroit, Mich.
The Avery Stamping Company, Cleveland, Ohio.
Bateman Manufacturing Company, Grenloch, N. J.
George H. Bishop & Co., Lawrenceburg, Ind.
Brinly-Hardy Company, Louisville, Ky.
William Chisholm & Sons, Cleveland, Ohio.
The W. J. Clark Company, Salem, Ohio.
Clipper Lawn Mower Company, Dixon, Ill.
Collins & Co., New York.
The Cronk & Carrier Manufacturing Company, Elmira, N. Y.

3065—TOOLS, FARM AND GARDEN—Continued.

Deere & Mansur Company, Moline, Ill.
H. P. Deuscher Company, Hamilton, Ohio.
John H. Graham & Co., New York.
International Cutlery Company, Fremont, Ohio.
Iowa Farming Tool Company, Fort Madison, Iowa.
Kelly Axe Manufacturing Company, Charleston, W. Va.
Keystone Farm Machine Company, York, Pa.
F. E. Kohler & Co., Canton, Ohio.
Roderick Lean Manufacturing Company, Mansfield, Ohio.
National Novelty Corporation, New York.
Frank C. Patten Company, Sycamore, Ill.
Philadelphia Lawn Mower Company, Philadelphia, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Sandusky Tool Company, Sandusky, Ohio.
Sidney Steel Scraper Company, Sidney, Ohio.
Syracuse Chilled Plow Company, Syracuse, N. Y.
Wiebusch & Hilger, Ltd., New York.
J. Wiss & Sons Co., Newark, N. J.

3066—TOOLS, FARRIERS'.

The Evansville Tool Works, Evansville, Ind.
Heller Brothers Company, Newark, N. J.
Kelley, Maus & Co., Chicago, Ill.
McCaffrey File Company, Philadelphia, Pa.
David Maydole Hammer Company, Norwich, N. Y.
Nicholson File Company, Providence, R. I.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Vaughan & Bushnell Manufacturing Company, Chicago, Ill.
Wiebusch & Hilger, Ltd., New York.

3067—TOOLS, FILE.

The Cincinnati Tool Company, Cincinnati, Ohio.
Nicholson File Company, Providence, R. I.

3068—TOOLS, HAYING.

Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Benicia Iron Works, Benicia, Cal.
Deere & Mansur Company, Moline, Ill.
Emerson Manufacturing Company, Rockford, Ill.
International Harvester Company of America, Chicago, Ill.
F. E. Myers & Bro., Ashland, Ohio.
Parsons Band Cutter and Self-Feeder Company, Newton, Iowa.
Frank C. Patten Company, Sycamore, Ill.
Rock Island Plow Company, Rock Island, Ill.
Sandwich Manufacturing Company, Sandwich, Ill.
Syracuse Chilled Plow Company, Syracuse, N. Y.
Wiebusch & Hilger, Ltd., New York.

3069—TOOLS, HYDRAULIC.

(See Riveters, Hydraulic; Shears, Hydraulic; Machinery, Hydraulic.)

3070—TOOLS, ICE HARVESTING.

George H. Bishop & Co., Lawrenceburg, Ind.

3071—TOOLS, JEWELERS'.

Chicago Wheel and Manufacturing Company, Chicago, Ill.
Nicholson File Company, Providence, R. I.

3072—TOOLS, LOGGING.

(See also Axes.)

Branch Saw Company, St. Louis, Mo.
Clyde Iron Works, Duluth, Minn.
Kelly Axe Manufacturing Company, Charleston, W. Va.
The Lufkin Rule Company, Saginaw, Mich.
James McKay & Co., Pittsburg, Pa.
Morley Brothers, Saginaw, Mich.
Solid Steel Tool and Forge Company, Pittsburg, Pa.
Standard Scale and Supply Company, Ltd., Pittsburg, Pa.

3073—TOOLS, MACHINE.

(See also Machinery, Metal Working; also Machinery, Wood Working.)

Jas. Clark, Jr., & Co., Louisville, Ky.
Gould & Eberhardt, Newark, N. J.
Howard Iron Works, Buffalo, N. Y.
The Milner & Kettig Company, Birmingham, Ala.
Niagara Machine and Tool Works, Buffalo, N. Y.
The A. H. Nilson Machine Company, Bridgeport, Conn.
Watson-Stillman Company, New York.
Wells Bros. Company, Greenfield, Mass.
Wickes Brothers, Saginaw, Mich.
Williams, White & Co., Moline, Ill.

3074—TOOLS, MACHINISTS'.

American Tube and Stamping Company, Bridgeport, Conn.
Billings & Spencer Company, Hartford, Conn.
Brown & Sharpe Manufacturing Company, Providence, R. I.
Columbian Hardware Company, Cleveland, Ohio.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Fairbanks Company, New York.
Goodell-Pratt Company, Greenfield, Mass.
Hoggson & Pettis Manufacturing Company, New Haven, Conn.
C. E. Jennings & Co., New York.
The Lufkin Rule Company, Saginaw, Mich.
McCaffrey File Company, Philadelphia, Pa.
Mack & Co., Rochester, N. Y.
Manning, Maxwell & Moore, New York.
David Maydole Hammer Company, Norwich, N. Y.
Morse Twist Drill and Machine Company, New Bedford, Mass.
National Novelty Corporation, New York.
Nicholson File Company, Providence, R. I.
Peck, Stow & Wilcox Company, Southington, Conn.
Fayette R. Plumb, Inc., Philadelphia, Pa.
H. K. Porter, Everett, Mass.
Reed Manufacturing Company, Erie, Pa.
Sargent & Co., New York.
L. S. Starrett Company, Athol, Mass.
Tower & Lyon Company, New York.
Transue & Williams Company, Alliance, Ohio.
Vaughan & Bushnell Manufacturing Company, Chicago, Ill.
Wells Bros. Company, Greenfield, Mass.

3075—TOOLS, MINERS'.

Oliver Ames & Sons Corporation, North Easton, Mass.
Collins & Co., New York.
Dunham, Carrigan & Hayden Company, San Francisco, Cal.
The Evansville Tool Works, Evansville, Ind.
Indiana Rolling Mill Company, New Castle, Ind.

3075—TOOLS, MINERS'—Continued.

Ingersoll-Sergeant Drill Company, New York.
Iron City Tool Works, Ltd., Pittsburg, Pa.
Jeffrey Manufacturing Company, Columbus, Ohio.
Keystone Driller Company, Beaver Falls, Pa.
The Klein-Logan Company, Pittsburg, Pa.
The J. Geo. Leyner Engineering Works Company, Denver, Col.
David Maydole Hammer Company, Norwich, N. Y.
Morgan-Gardner Electric Company, Chicago, Ill.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Solid Steel Tool and Forge Company, Pittsburg, Pa
Verona Tool Works, Pittsburg, Pa.
Warwood Tool Company, Wheeling, W. Va.
George D. Whitcomb Company, Chicago, Ill.

3076—TOOLS, OPTICAL.

American Optical Company, Southbridge, Mass.

3077—TOOLS, PIPE FITTERS'.

Armstrong Manufacturing Company, Bridgeport, Conn.
H. Belfield & Co., Chicago, Ill.
Crane Company, Chicago, Ill.
Eaton, Cole & Burnham Company, New York.
The Kelly & Jones Company, New York.
David Maydole Hammer Company, Norwich, N. Y.
Merrell Manufacturing Company, Toledo, Ohio.
H. Mueller Manufacturing Company, Decatur, Ill.
Reed Manufacturing Company, Erie, Pa.
L. S. Starrett Company, Athol, Mass.
Stover Manufacturing Company, Freeport, Ill.
Trimont Manufacturing Company, Roxbury, Mass.
The Warner & Swasey Company, Cleveland, Ohio.
Walworth Manufacturing Company, Boston, Mass.
Wells Bros. Company, Greenfield, Mass.

3078—TOOLS, PNEUMATIC.

Chester B. Albree Iron Works, Allegheny, Pa.
Thos. H. Dallett Company, Philadelphia, Pa.
Ingersoll-Sargent Drill Company, New York.
Jeffrey Manufacturing Company, Columbus, Ohio.
Johnson Service Company, Milwaukee, Wis.
The J. Geo. Leyner Engineering Works Company, Denver, Col.
Manning, Maxwell & Moore, New York.
Railway Appliances Company, Chicago, Ill.
Rand Drill Company, New York.
Sullivan Machinery Company, Chicago, Ill.
George D. Whitcomb Company, Chicago, Ill.

3079—TOOLS, PRECISION.

Brown & Sharpe Manufacturing Company, Providence, R. I.
Goodell-Pratt Company, Greenfield, Mass.
W. & L. E. Gurley, Inc., Troy, N. Y.
Keuffel & Esser Company, New York.
Morse Twist Drill and Machine Company, New Bedford, Mass.
Stanley Rule and Level Company, New Britain, Conn.
L. S. Starrett Company, Athol, Mass.

3080—TOOLS, QUARRYING.

W. H. Anderson & Sons, Inc., Detroit, Mich.
Ingersoll-Sergeant Drill Company, New York.

3080—TOOLS, QUARRYING—Continued.

Iron City Tool Works, Ltd., Pittsburg, Pa.
The Klein-Logan Company, Pittsburg, Pa.
The J. Geo. Leyner Engineering Works Company, Denver, Col.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Solid Steel Tool and Forge Company, Pittsburg, Pa.
Sullivan Machinery Company, Chicago, Ill.
Verona Tool Works, Pittsburg, Pa.
Warwood Tool Company, Wheeling, W. Va.

3081—TOOLS, RAILWAY TRACK.

W. H. Anderson & Sons, Inc., Detroit, Mich.
Thos. H. Dallett Company, Philadelphia, Pa.
The Evansville Tool Works, Evansville, Ind.
W. & L. E. Gurley, Inc., Troy, N. Y.
Iron City Tool Works, Ltd., Pittsburg, Pa.
Joyce Cridland Company, Dayton, Ohio.
The Klein-Logan Company, Pittsburg, Pa.
Manning, Maxwell & Moore, New York.
Morden Frog and Crossing Works, Chicago, Ill.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Oliver Iron and Steel Company, Pittsburg, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Solid Steel Tool and Forge Company, Pittsburg, Pa.
Union Drop Forge Company, Chicago, Ill.
Verona Tool Works, Pittsburg, Pa.

3032—TOOLS, SAW.

E. C. Atkin & Co., Indianapolis, Ind.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Emerson, Smith & Co., Ltd., Beaver Falls, Pa.
Goodell-Pratt Company, Greenfield, Mass.
John H. Graham & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
McCaffrey File Company, Philadelphia, Pa.
The New Britain Machine Company, New Britain, Conn.

3083—TOOLS, SHOEMAKERS'.

McCaffrey File Company, Philadelphia, Pa.
David Maydole Hammer Company, Norwich, N. Y.
Fayette R. Plumb, Inc., Philadelphia, Pa.
The Sewing Machine Supplies Company, Boston, Mass.
Wrightsville Hardware Company, Wrightsville, Pa.

3084—TOOLS, STONECUTTERS'.

W. H. Anderson & Sons, Inc., Detroit, Mich.
David Maydole Hammer Company, Norwich, N. Y.
Fayette R. Plumb, Inc., Philadelphia, Pa.

3085—TOOLS, TINSMITHS'.

Clayton Brothers, New York.
Thomas Devlin Manufacturing Company, Philadelphia, Pa.
International Cutlery Company, Fremont, Ohio.
David Maydole Hammer Company, Norwich, N. Y.
Niagara Machine and Tool Works, Buffalo, N. Y.
Peck, Stow & Wilcox Company, Southington, Conn.
Spencer Wire Company, Worcester, Mass.
I. Wiss & Sons Co., Newark, N. J.

3086—TOPS, CARRIAGE.

William G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
Safety Buggy Company, Lancaster, Pa.
Schubert Bros. Gear Company, Oneida, N. Y.
Troy Carriage Sun Shade Company, Troy, Ohio.

3087—TOQUES.

Cooper, Wells & Co., St. Joseph, Mich.
Max Lowenthal & Brother, Rochester, N. Y.

3088—TORCHES, GASOLINE.

Berger Manufacturing Company, Canton, Ohio.
The Best Street Light Company, Canton, Ohio.
Clayton & Lambert Manufacturing Company, Detroit, Mich.
Dayton Malleable Iron Company, Dayton, Ohio.
The Vermont Slate Company, Inc., Granville, N. Y.

3089—TOWELING, COTTON.

(See Cotton Huck and Crash.)

3090—TOWELS, BATH.

Wachusett Mills, Worcester, Mass.

3091—TOWELS, COTTON, HUCK AND CRASH.

Eagle and Phenix Mills, Columbus, Ga.
Merrimack Manufacturing Company, Boston, Mass.
Wachusett Mills, Worcester, Mass.
Warren Manufacturing Company, Warren, Md.

3092—TOWELS, UNION.

Boott Cotton Mills, Boston, Mass.

3093—TOWERS, TANK AND WIND MILL.

Baker Manufacturing Company, Evansville, Wis.
Berlin Construction Company, Berlin, Conn.
W. E. Caldwell Company, Louisville, Ky.
Chicago Bridge and Iron Works, Chicago, Ill.
The Converse Bridge Company, Chattanooga, Tenn.
Flint & Walling Manufacturing Company, Kendallville, Ind.
The S. Freeman & Sons Manufacturing Company, Racine, Wis.
Lookout Boiler and Manufacturing Company, Chattanooga, Tenn.
Mast, Foos & Co., Springfield, Ohio.
The Reeves Brothers Company, Alliance, Ohio.
The Springfield Bridge and Iron Company, Springfield. Ill.
The Stover Manufacturing Company, Freeport, Ill.
Tippett & Wood, Phillipsburg, N. J.
Henry Vogt Machine Company, Louisville, Ky.

3094—TOWING MACHINES.

(See Machines, Towing.)

3095—TOYS, ELECTRIC.

Stanley & Patterson, Inc., New York.

3096—TOYS, METAL.

Arcade Manufacturing Company, Freeport, Ill.
Hoffman Hinge and Foundry Company, Cleveland, Ohio.
Iowa Farming Tool Company, Fort Madison, Iowa.
Kirk-Latty Manufacturing Company, Cleveland, Ohio.
National Novelty Corporation, New York.

3097—TOYS, RUBBER.

Davol Rubber Company, Providence, R. I.
B. F. Goodrich Company, Akron, Ohio.

3098—TOYS, WOOD.

The Embossing Company, Albany, N. Y.
The Gendron Wheel Company, Toledo, Ohio.
McLoughlin Brothers, New York.
National Novelty Corporation, New York.
Wrightsville Hardware Company, Wrightsville, Pa.

3099—TRACK, PORTABLE.

Ramapo Iron Works, New York.

3100—TRAMMEL POINTS.

Goodell-Pratt Company, Greenfield, Mass.
L. S. Starrett Company, Athol, Mass.
Tower & Lyon Company, New York.

3101—TRAMWAY SUPPLIES.

(See Street Railway Supplies.)

3102—TRAMWAYS, OVERHEAD.

Brecht B. S. Co., St. Louis, Mo.
Broderick & Bascom Rope Company, St. Louis, Mo.
Brown Hoisting Machinery Company, Cleveland, Ohio.
The Chisholm & Moore Manufacturing Company, Cleveland, Ohio.
Coburn Trolley Track Manufacturing Company, Holyoke, Mass.
Curtis & Co. Manufacturing Company, St. Louis, Mo.
Dayton Malleable Iron Company, Dayton, Ohio.
Bernard Gloekler, Pittsburg, Pa.
Edwin Harrington, Son & Co., Inc., Philadelphia, Pa.
Lambert Hoisting Engine Company, Newark, N. J.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Lidgerwood Manufacturing Company, New York.
Union Iron Works, Spokane, Wash.
Vulcan Iron Works, San Francisco, Cal.
Whiting Foundry Equipment Company, Harvey, Ill.

3103—TRAMWAYS, WIRE ROPE.

Broderick & Bascom Rope Company, St. Louis, Mo.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Coburn Trolley Track Manufacturing Company, Holyoke, Mass.
Lambert Hoisting Engine Company, Newark, N. J.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Lidgerwood Manufacturing Company, New York.
Union Iron Works, Spokane, Wash.
Vulcan Iron Works, San Francisco, Cal.

3104—TRANSFORMERS, ELECTRICAL.

Allis-Chalmers Company, Chicago, Ill.
Fort Wayne Electric Works, Inc., Fort Wayne, Ind.
General Electric Company, Schenectady, N. Y.
The Sumter Telephone Manufacturing Company, Sumter, S. C.
Westinghouse Electric and Manufacturing Company, Pittsburg, Pa.

3105—TRAPS, ANIMAL.

John H. Graham & Co., New York.
Lovell Manufacturing Company, Erie, Pa.

3105—TRAPS, ANIMAL—Continued.

Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Peck, Stow & Wilcox Company, Southington, Conn.
Sargent & Co., New York.

3106—TRAPS, STEAM.

(See Drying Apparatus, Steam.)

3107—TRAYS, EMBOSSED AND NICKEL PLATED.

Hall & Carpenter, Philadelphia, Pa.
New York Stamping Company, Brooklyn, N. Y.
Tea Tray Company of Newark, Newark, N. J.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.
Webster Company, North Attleboro, Mass.

3108—TRAYS, WHIST.

United States Playing Card Company, Cincinnati, Ohio.

3109—TREAD-POWERS.

(See Horse-Powers.)

3110—TRICYCLES.

(See Bicycles.)

3111—TRIMMINGS, CAR, METAL.

The Adams & Westlake Company, Chicago, Ill.
Dayton Manufacturing Company, Dayton, Ohio.
National Lock Washer Company, Newark, N. J.
Russell & Erwin Manufacturing Company, New Britain, Conn.
St. Louis Car Company, St. Louis, Mo.

3112—TRIMMINGS, CARRIAGE AND CASKET.

Crandal, Stove & Co., Binghamton, N. Y.
Crane & Breed Manufacturing Company, Cincinnati, Ohio.
Elgin Silver Plate Company, Elgin, Ill.
Higgin Manufacturing Company, Newport, Ky.
International Silver Company, Meriden, Conn.
National Casket Company, New York.
The Northwestern Casket Company, Minneapolis, Minn.
Safety Buggy Company, Lancaster, Pa.
St. Louis Coffin Company, St. Louis, Mo.
Sargent & Co., New York.
Schubert Bros. Gear Company, Oneida, N. Y.
Vogt Manufacturing and Coach Lace Company, Rochester, N. Y.

3113—TRIMMINGS, DRESS.

A. B. Fiedler & Sons, Chicago, Ill.

3114—TRIMMINGS, FURNITURE, BRASS.

Brass Goods Manufacturing Company, Brooklyn, N. Y.
Dunham, Carrigan & Hayden Company, San Francisco, Cal.
Grand Rapids Brass Company, Grand Rapids, Mich.
R. C. Jenkinson & Co., Newark, N. J.
The Plume & Atwood Manufacturing Company, New York.
The Simmons Manufacturing Company, Chicago, Ill.

3115—TRIMMINGS, REFRIGERATOR.

Brass Goods Manufacturing Company, Brooklyn, N. Y.
Grand Rapids Brass Company, Grand Rapids, Mich.
Monroe Refrigerator Company, Lockland, Ohio.

3116—TRIMMINGS, STOVE AND FIRE PLACE.

American Tube and Stamping Company, Bridgeport, Conn.
Anchor Stove and Range Company, Inc., Louisville, Ky.
The Cahill Iron Works, Chattanooga, Tenn.
The Ireland & Matthews Manufacturing Company, Detroit, Mich.
Kilbourne Manufacturing Company, Troy, N. Y.
The Lamson & Sessions Company, Cleveland, Ohio.
F. H. Lawson Company, Cincinnati, Ohio.
Edward Miller & Co., Meriden, Conn.
The Ohio Foundry Company, Steubenville, Ohio.
Phillips & Buttorff Manufacturing Company, Nashville, Tenn.
Reineke, Wilson Company, Pittsburg. Pa.
Stover Manufacturing Company, Freeport, Ill.
Troy Nickel Works and Albany Foundry Company, Albany, N. Y.
Wrightsville Hardware Company, Wrightsville, Pa.

3117—TROLLEY WHEELS AND HARPS.

Ajax Metal Company, Philadelphia, Pa.
Electrical Manufacturers' Export Company, New York.
The Star Brass Works, Kalamazoo, Mich.

3118—TROUSERINGS, WORSTED.

American Woolen Company, Boston, Mass.
Botany Worsted Mills, Passaic, N. J.
Concord Manufacturing Company, Penacook, N. H.
Globe Woolen Company, Utica, N. Y.
Benj. W. Greer, Philadelphia, Pa.
George C. Hetzel & Co., Chester, Pa.
National and Providence Worsted Mills, Providence, R. I.
Perseverance Worsted Company, Woonsocket, R. I.
William Wood & Co., Philadelphia, Pa.

3119—TROWELS, GARDEN.

Avery Stamping Company, Cleveland, Ohio.
F. E. Kohler & Co., Canton, Ohio.
New York Stamping Company, Brooklyn, N. Y.

3120—TROWELS, MASONS'.

E. C. Atkins & Co., Indianapolis, Ind.
George H. Bishop & Co., Lawrenceburg, Ind.
Henry Disston & Sons, Inc., Philadelphia, Pa.
Wiebusch & Hilgar, Ltd., New York.

3121—TRUCK FRAMES.

Benjamin Atha & Company, Newark, N. J.
Bettendorf Axle Company, Davenport, Iowa.
J. G. Brill Company, Philadelphia, Pa.
Electric Wheel Company, Quincy, Ill.

3122—TRUCKS, AUTOMOBILE.

Johnson Service Company, Milwaukee, Wis.
Whiting Foundry Equipment Company, Harvey, Ill.

3123—TRUCKS, FARM.

Bettendorf Axle Company, Davenport, Iowa.
Birdsell Manufacturing Company, South Bend, Ind.
Brown Manufacturing Company, Zanesville, Ohio.
A. Buch's Sons Company, Elizabethtown, Pa.
Electric Wheel Company, Quincy, Ill.
Fish Brothers Wagon Company, Racine, Wis.

3123—TRUCKS, FARM—Continued.

The Flint Wagon Works, Flint, Mich.
Florence Wagon Works, Florence, Ala.
Harrison Wagon Company, Grand Rapids, Mich.
James & Graham Wagon Company, Memphis, Tenn.
Kentucky Wagon Manufacturing Company, Louisville, Ky.
Keystone Farm Machine Company, York, Pa.
Milburn Wagon Company, Toledo, Ohio.
Moline Wagon Company, Moline, Ill.
Nordyke & Marmon Company, Indianapolis, Ind.
Olds Wagon Works, Fort Wayne, Ind.
Racine-Sattley Company, Springfield, Ill.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Troy Wagon Works Company, Troy, Ohio.
Winona Wagon Company, Winona, Minn.

3124—TRUCKS, FOUNDRY.

Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Northern Engineering Works, Detroit, Mich.
J. W. Paxson Co., Philadelphia, Pa.
Pennsylvania Engineering Works, New Castle, Pa.
M. H. Treadwell & Co., of Pa., Lebanon, Pa.
Union Iron Works, Spokane, Wash.
Whiting Foundry Equipment Company, Harvey, Ill.
Winona Wagon Company, Winona, Minn.

3125—TRUCKS, FREIGHT CAR.

Bettendorf Axle Company, Davenport, Iowa.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Peckman Manufacturing Company, New York.
Russel Wheel and Foundry Company, Detroit, Mich.
St. Louis Car Company, St. Louis, Mo.
Wason Manufacturing Company, Springfield, Mass.
The Watt Mining Car Wheel Company, Barnesville, Ohio.
Whiting Foundry Equipment Company, Harvey, Ill.

3126—TRUCKS, FREIGHTING.

Birdsell Manufacturing Company, South Bend, Ind.
Harrison Wagon Company, Grand Rapids, Mich.
William G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
H. E. Holmes & Co., San Francisco, Cal.
Keystone Farm Machine Company, York, Pa.
Milburn Wagon Company, Toledo, Ohio.
Nordyke & Marmon Company, Indianapolis, Ind.
Racine-Sattley Company, Springfield, Ill.
Winona Wagon Company, Winona, Minn.

3127—TRUCKS, HOOK AND LADDER.

William G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
The Seagrave Company, Columbus, Ohio.

3128—TRUCKS, LOGGING.

Bodley Wagon Company, Memphis, Tenn.
California Saw Works, San Francisco, Cal.
Clyde Iron Works, Duluth, Minn.
De Loach Mill Manufacturing Company, Atlanta, Ga.
Electric Wheel Company, Quincy, Ill.
The Flint Wagon Works, Flint, Mich.
Florence Wagon Works, Florence, Ala.
Hench, Dromgold & Co., York, Pa.

to manufacturers whose names are given in this book.

3128—TRUCKS, LOGGING—Continued.

The Holt Manufacturing Company, Stockton, Cal.
James & Graham Wagon Company, Memphis, Tenn.
Kentucky Wagon Manufacturing Company, Louisville, Ky.
Lane Manufacturing Company, Montpelier, Vt.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Lidgerwood Manufacturing Company, New York.
Milburn Wagon Company, Toledo, Ohio.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
Russel Wheel and Foundry Company, Detroit, Mich.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Troy Wagon Works Company, Troy, Ohio.
The Vulcan Iron Works, Seattle, Wash.
Willamette Iron and Steel Works, Portland, Ore.

3129—TRUCKS, PASSENGER RAILROAD CAR.

J. G. Brill Company, Philadelphia, Pa.
Peckham Manufacturing Company, New York.
St. Louis Car Company, St. Louis, Mo.
Wason Manufacturing Company, Springfield, Mass.

3130—TRUCKS, PORTABLE ENGINE.

Bettendorf Axle Company, Davenport, Iowa.

3131—TRUCKS, STREET CAR.

Baldwin Locomotive Works, Philadelphia, Pa.
J. G. Brill Company, Philadelphia, Pa.
McGuire-Cummings Manufacturing Company, Chicago, Ill.
Peckham Manufacturing Company, New York.
St. Louis Car Company, St. Louis, Mo.
Wason Manufacturing Company, Springfield, Mass.

3132—TRUCKS, WAGON.

Bettendorf Axle Company, Davenport, Iowa.
Electric Wheel Company, Quincy, Ill.
Milburn Wagon Company, Toledo, Ohio.
Racine-Sattley Company, Springfield, Ill.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Troy Wagon Works, Troy, Ohio.

3133—TRUCKS, WAREHOUSE AND FACTORY.

American Blower Company, Detroit, Mich.
Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
Boston and Lockport Block Company, Boston, Mass.
The Cardwell Machine Company, Richmond, Va.
Fairbanks Company, New York.
Grand Rapids Hand Screw Company, Grand Rapids, Mich.
Hench, Dromgold & Co., York, Pa.
Howe Scale Company, Boston, Mass.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Lansing Wheelbarrow Company, Lansing, Mich.
Nordyke & Marmon Company, Indianapolis, Ind.
Russel Wheel and Foundry Company, Detroit, Mich.
Sidney Steel Scraper Company, Sidney, Ohio.
Syracuse Chilled Plow Company, Syracuse, N. Y.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.
Winona Wagon Company, Winona, Minn.

3134—TRUNKS.

Headley & Farmer Company, Newark, N. J.
Henry Likly & Co., Rochester, N. Y.
Meier & Schuknecht, Detroit, Mich.
The Homer Young Company, Toledo, Ohio.

3135—TRUNKS, SAMPLE.

Henry Likly & Co., Rochester, N. Y.

3136—TUBES, BOILER.

Lukens Iron and Steel Company, New Orleans, La.
Monongahela Tube Company, Pittsburg, Pa.
National Tube Company, Pittsburg, Pa.
John Simmons Company, New York.
South Chester Tube Company, Chester, Pa.
Spang, Chalfant & Co., Inc., Pittsburg, Pa.

3137—TUBES, COLLAPSIBLE.

Hero Fruit Jar Company, Philadelphia, Pa.
Lehmaier, Schwartz & Co., New York.
A. H. Wirz, Philadelphia, Pa.

3138—TUBES, GRAIN DRILL.

Cleveland Wire Spring Company, Cleveland, Ohio.
B. F. Goodrich Company, Akron, Ohio.

3139—TUBES, MAILING.

The Thompson & Norris Company, Brooklyn, N. Y.
The Weis Manufacturing Company, Toledo, Ohio.

3140—TUBES, SPEAKING.

Lamb & Ritchie, Cambridgeport, Mass.

3141—TUBING, BICYCLE AND AUTOMOBILE.

American Tube and Stamping Company, Bridgeport, Conn.
National Tube Company, Pittsburg, Pa.
The Standard Welding Company, Cleveland, Ohio.

3142—TUBING, BRASS.

Ansonia Brass and Copper Company, New York.
H. Belfield & Co., Philadelphia, Pa.
Benedict & Burnham Manufacturing Company, Waterbury, Conn.
Bridgeport Brass Company, Bridgeport, Conn.
Coe Brass Manufacturing Company, Torrington, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Manhattan Brass Company, New York.
Rome Brass and Copper Company, Rome, N. Y.
Scovill Manufacturing Company, Waterbury, Conn.
The Simmons Manufacturing Company, Chicago, Ill.

3143—TUBING, BRONZE.

Ansonia Brass and Copper Company, New York.
Bridgeport Brass Company, Bridgeport, Conn.

3144—TUBING, COPPER.

Ansonia Brass and Copper Company, New York.
H. Belfield & Co., Philadelphia, Pa.
Benedict & Burnham Manufacturing Company, Waterbury, Conn.
Bridgeport Brass Company, Bridgeport, Conn.
Coe Brass Manufacturing Company, Torrington, Conn.

3144—TUBING, COPPER—Continued.

Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Rome Brass and Copper Company, Rome, N. Y.
Whitlock Coil Pipe Company, Hartford, Conn.

3145—TUBING, GLASS.

Corning Glass Works, Corning, N. Y.
The Lippincott Glass Company, Alexandria, Ind.
Whitall-Tatum Company, New York.

3146—TUBING, HARD RUBBER.

American Hard Rubber Company, New York.
Davidson Rubber Company, Boston, Mass.
Davol Rubber Company, Providence, R. I.
Diamond Rubber Company, Akron, Ohio.
The G. F. Harvey Company. Saratoga Springs, N. Y.
Hodgman Rubber Company, New York.
Morgan & Wright, Chicago, Ill.
Tyer Rubber Company, Andover, Mass.

3147—TUBING, IRON.

Monongahela Tube Company, Pittsburg, Pa.
National Tube Company, Pittsburg, Pa.

3148—TUBING, RUBBER.

Boston Belting Company, Boston, Mass.
Davidson Rubber Company, Boston, Mass.
Davol Rubber Company, Providence, R. I.
Diamond Rubber Company, Akron, Ohio.
The Eureka Rubber Manufacturing Company, Trenton, N. J.
B. F. Goodrich Company, Akron, Ohio.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Hodgman Rubber Company, New York.
Home Rubber Company, Trenton, N. J.
Morgan & Wright, Chicago, Ill.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.
Quaker City Rubber Company, Philadelphia, Pa.

3149—TUBING, SEAMLESS, DRAWN STEEL.

American Tube and Stamping Company, Bridgeport, Conn.
Latrobe Steel Company, Philadelphia, Pa.
Lukens Iron and Steel Company, New Orleans, La.
National Tube Company, Pittsburg, Pa.
Spang, Chalfant & Co., Inc., Pittsburg, Pa.
The Standard Welding Company, Cleveland, Ohio.

3150—TUBS, COPPER, BATH.

(See Bath Tubs, Copper.)

3151—TUBS, ENAMELED, BATH.

(See Bath Tubs, Enameled Iron and Steel.)

3152—TUBS, PORCELAIN, BATH.

(See Bath Tubs, Solid Porcelain.)

3153—TUBS, PORCELAIN, LAUNDRY.

Gladding, McBean & Co., San Francisco, Cal.
The J. L. Mott Iron Works, New York.
Standard Sanitary Manufacturing Company, Pittsburg, Pa.
Trenton Potteries Company, Trenton, N. J.

3154—TUBS, RUBBER, BATH.

(See Bath Tubs, Folding Rubber.)

3155—TUBS, STEEL.

(See Pans, Shop and Factory.)

3156—TUBS, WOODEN.

Bousfield Wooden Ware Co., Minneapolis, Minn.
Bousfield & Co., Bay City, Mich.
California Barrel Company, San Francisco, Cal.
Elgin Butter Tub Company, Elgin, Ill.
Hightower Box and Tank Company, Atlanta, Ga.
Menasha Wooden Ware Company, Menasha, Wis.
Mengel Box Company, Louisville, Ky.
Paepcke-Leicht Lumber Company, Chicago, Ill.
Richmond Cedar Works, Richmond, Wis.
John Sommer's Son, Newark, N. J.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.
J. N. Struck & Bro., Inc., Louisville, Ky.
Union Cooperage Company, St. Louis, Mo.

3157—TUBS, WROUGHT IRON, LAUNDRY.

J. B. Wise, Watertown, N. Y.

3158—TUGS.

E. J. Codd Company, Baltimore, Md.
Gas Engine and Power Co. and Charles L. Seabury & Co., New York.
Maryland Steel Company, Sparrow's Point, Md.
New York Ship Building Company, Camden, N. J.
Pusey & Jones Company, Wilmington, Del.

3159—TUMBLERS, GLASS.

Cumberland Glass Company, Cumberland, Md.
Cumberland Glass Manufacturing Company, Bridgeton, N. J.
C. Dorflinger & Sons, New York.
The Duncan & Miller Glass Company, Washington, Pa.
Federal Glass Company, Columbus, Ohio.
The Fostoria Glass Company, Moundsville, W. Va.
T. G. Hawkes & Co., Corning, N. Y.
Hazel-Atlas Glass Company, Wheeling, W. Va.
A. H. Heisey & Co., Inc., Newark, Ohio.
The Jefferson Glass Company, Steubenville, Ohio.
National Glass Company, Pittsburg, Pa.
Seneca Glass Company, Morgantown, W. Va.
United States Glass Company, Pittsburg, Pa.

3159a—TUMBLING BARRELS.

Kimball Bros. & Sprague, Brockton, Mass.

3160—TURBINES, STEAM.

Allis-Chalmers Company, Chicago, Ill.
Racine Boat Manufacturing Company, Muskegon, Mich.
Westinghouse Machine Company, East Pittsburg, Pa.

3161—TURBINES, WATER.

Allis-Chalmers Company, Chicago, Ill.
American Machinery and Export Company, New York.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
The Connersville Blower Company, Connorsville, Ind.
Dayton Globe Iron Works Company, Dayton, Ohio.
De Loach Mill Manufacturing Company, Atlanta, Ga.

3161—TURBINES, WATER—Continued.

Lane Manufacturing Company, Monpelier, Vt.
James Leffel & Co., Springfield, Ohio.
Munson Bros. Company, Utica, N. Y.
The Platt Iron Works Company, Dayton, Ohio.
The Wolf Company, Chambersburg, Pa.
R. D. Wood & Co., Philadelphia, Pa.

3162—TURNBUCKLES.

American Iron and Steel Manufacturing Company, Lebanon, Pa.
Columbus Bolt Works, Columbus, Ohio.
William H. Haskell Manufacturing Company, Pawtucket, R. I.
A. Leschen & Sons Rope Company, St. Louis, Mo.
Michigan Bolt and Nut Works, Detroit, Mich.
Nordyke & Marmon Company, Indianapolis, Ind.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Republic Iron and Steel Company, Chicago, Ill.
Wilcox, Crittenden & Co., Middletown, Conn.

3163—TURNINGS, WOOD.

Atwood Brothers, East Whitman, Mass.
E. Bailey & Sons, Patchogue, N. Y.
Bousfield Wooden Ware Co., Minneapolis, Minn.
Crawford, McGregor & Canby Company, Dayton, Ohio.
Hartwell Brothers, Inc., Chicago Heights, Ill.
Kelley, Maus & Co., Chicago, Ill.
Massee & Felton Lumber Company, Macon, Ga.
National Novelty Corporation, New York.
Paine Lumber Company, Ltd., Oshkosh, Wis.
Piqua Handle and Manufacturing Company, Piqua, Ohio.
A. Roberson & Son, Binghamton, N. Y.
Sanborn, Vail & Co., San Francisco, Cal.
John Sommer's Son, Newark, N. J.
Stephenson Manufacturing Company, South Bend, Ind.
United States Bung Manufacturing Company, Brooklyn, N. Y.
Weis & Lesh Manufacturing Company, Muncie, Ind.
John F. Wilcox, Minneapolis, Minn.

3164—TURNTABLES, INDUSTRIAL RAILWAY.

Edwin Harrington, Son & Co., Inc., Philadelphia, Pa.
Northern Engineering Works, Detroit, Mich.
J. W. Paxson Co., Philadelphia, Pa.
Whiting Foundry Equipment Company, Harvey, Ill.

3165—TURNTABLES, RAILROAD.

Boston Bridge Works, Inc., Boston, Mass.
Chicago Bridge and Iron Works, Chicago, Ill.
William Sellers & Co., Inc., Philadelphia, Pa.

3166—TURPENTINE.

R. McWilliams, Ltd., New Orleans, La.

3167—TUYERE IRONS.

Silver Manufacturing Company, Salem, Ohio.

3168—TWINE, BINDER.

Adriance, Platt & Co., Poughkeepsie, N. Y.
Chelsea Jute Mills, New York.
Edwin H. Fitler Company, Philadelphia, Pa.
Hooven & Allison Company, Xenia, Ohio.

3168—TWINE, BINDER—Continued.

International Harvester Company of America, Chicago, Ill.
Travers Brothers Company, New York.
Tubbs Cordage Company, San Francisco, Cal.

3169—TWINE, COTTON.

Bibb Manufacturing Company, Macon, Ga.
The Eagle Cotton Mills Company, Madison, Ind.
Fulton Bag and Cotton Mills, New York.
Travers Brothers Company, New York.
United States Cotton Duck Corporation, Baltimore, Md.

3170—TWINE, HEMP.

John T. Bailey & Co., Philadelphia, Pa.
Bibb Manufacturing Company, Macon, Ga.
Edwin H. Fitler Company, Philadelphia, Pa.
Fulton Bag and Cotton Mills, New York.
Hooven & Allison Company, Xenia, Ohio.
Ludlow Manufacturing Associates, Boston, Mass.
Travers Brothers Company, New York.
Tubbs Cordage Company, San Francisco, Cal.

3171—TWINE, JUTE.

(See Cordage, Jute.)

3172—TWINE, LINEN.

John T. Bailey & Co., Philadelphia, Pa.
Bibb Manufacturing Company, Macon, Ga.
Linen Thread Company, New York.
Ludlow Manufacturing Associates, Boston, Mass.
Travers Brothers Company, New York.

3173—TYPE.

American Type Founders' Company, Jersey City, N. J.
Barnhart Bros. & Spindler, Chicago, Ill.
Keystone Type Foundry, Philadelphia, Pa.

3174—TYPE COMPOSING MACHINES.

Mergenthaler Linotype Company, New York.

3175—TYPE, WOOD.

Barnhart Bros. & Spindler, Chicago, Ill.
The Hamilton Manufacturing Company, Two Rivers, Wis.

3176—TYPEWRITER KEYS AND SPACE BARS.

Auburn Button Works, Auburn, N. Y.

3177—TYPEWRITER STANDS.

The Samuel C. Tatum Company, Cincinnati, Ohio.

3178—TYPEWRITER SUPPLIES.

The Carter's Ink Company, Boston, Mass.
C. H. Dexter & Sons, Windsor Locks, Conn.
Eichbaum Company, Pittsburg, Pa.
Fay-Sholes Company, Chicago, Ill.
Hammond Typewriter Company, New York.
The Newton-Rotherick Manufacturing Company, Toledo, Ohio.
Remington Typewriter Company, New York.
The Smith Premier Typewriter Company, Syracuse, N. Y.
S. S. Stafford, Inc., New York.
F. S. Webster Company, Boston, Mass.

3179—TYPEWRITERS.

Elliott-Fisher Company, New York.
Fay-Sholes Company, Chicago, Ill.
Hammond Typewriter Company, New York.
Oliver Typewriter Company, Chicago, Ill.
Remington Typewriter Company, New York.
The Smith Premier Typewriter Company, Syracuse, N. Y.
Underwood Typewriter Company, New York.
Union Typewriter Company, Jersey City, N. J.
F. S. Webster Company, Boston, Mass.

3180—TYPEWRITERS, BOOK.

Elliott-Fisher Company, New York.

3181—UMBRELLA CLOTH, COTTON.

Manville Company, Providence, R. I.

3182—UMBRELLAS, ADVERTISING.

Troy Carriage Sun Shade Company, Troy, Ohio.

3183—UMBRELLAS, PARASOLS AND CANES.

Troy Carriage Sun Shade Company, Troy, Ohio.

3184—UNDERSKIRTS.

Strawbridge & Clothier, Philadelphia, Pa.

3185—UNDERTAKERS' SUPPLIES.

Crane & Breed Manufacturing Company, Cincinnati, Ohio.
National Casket Company, New York.
The Northwestern Casket Company, Minneapolis, Minn.
St. Louis Coffin Company, St. Louis, Mo.
Vogt Manufacturing and Coach Lace Company, Rochester, N. Y.

3186—UNDERWEAR, KNIT.

Amazon Knitting Company, Muskegon, Mich.
Avalon Knitwear Company, Utica, N. Y.
Bristol Manufacturing Company, Bristol, Conn.
Campbell Knitting Mill Company, Elmira, N. Y.
L. L. Dean & Co., Amsterdam, N. Y.
Elmira Knitting Mills, Elmira, N. Y.
Gilbert Knitting Company, Little Falls, N. Y.
Julius Kayser & Co., New York.
Lawrence Manufacturing Company, Boston, Mass.
Max Lowenthal & Brother, Rochester, N. Y.
Robert MacKinnon & Co., Little Falls, N. Y.
National Knitting Company, Milwaukee, Wis.
Oneita Knitting Mills, Utica, N. Y.
Root Manufacturing Company, Cohoes, N. Y.
J. C. Roulette & Co., Hagerstown, Md.
Van Dyke Knitting Company, Milwaukee, Wis.
Wright's Health Underwear Company, New York.
Ypsilanti Underwear Company, Ypsilanti, Mich.

3187—UNDERWEAR, SILK.

Julius Kayser & Co., New York.
Ypsilanti Underwear Company, Ypsilanti, Mich.

3188—UNDERWEAR, WOMEN'S MUSLIN.

A. P. Burchfield (Joseph Horne Company), Pittsburg, Pa.
The H. B. Claflin Company, New York.
Galland Brothers, New York.

3188—UNDERWEAR, WOMEN'S MUSLIN—Continued.

Standard Manufacturing Company, Boston, Mass.
Standard Manufacturing Company, Jackson, Mich.
Ypsilanti Underwear Company, Ypsilanti, Mich.

3189—UNDERWEAR, WOOL.

Avalon Knitwear Company, Utica, N. Y.
L. L. Dean & Co., Amsterdam, N. Y.
Julius Kayser & Co., New York.
National Knitting Company, Milwaukee, Wis.
Oneita Knitting Mills, Utica, N. Y.
Root Manufacturing Company, Cohoes, N. Y.
A. C. Staley Manufacturing Company, South Bend, Ind.
Wright's Health Underwear Company, New York.
Ypsilanti Underwear Company, Ypsilanti, Mich.

3190—UNIFORMS.

The Henderson-Ames Company, Kalamazoo, Mich.
The M. C. Lilley & Co., Inc., Columbus, Ohio.

3191—UNIVERSAL GRINDERS.

Landis Tool Company, Waynesboro, Pa.
Leland & Faulconer Manufacturing Company, Detroit, Mich.
Norton Emery Wheel Company, Worcester, Mass.
Waterbury Farrel Foundry and Machine Company, Waterbury, Conn.

3192—UNLOADERS, BALLAST.

(See Ballast Unloaders.)

3193—UPHOLSTERERS' SUPPLIES.

O. D. Baker & Company, Boston, Mass.
Carman Manufacturing Company, Tacoma, Wash.
Excelsior Wrapper Company, Sheboygan, Wis.
The Faatz-Reynolds Felting Company, Lestershire, N. Y.
T. B. Laycock Manufacturing Company, Indianapolis, Ind.
Ludlow Manufacturing Associates, Boston, Mass.
P. R. Mitchell Company, Cincinnati, Ohio.
Rome Brass and Copper Company, Rome, N. Y.
Sauquoit Silk Manufacturing Company, Nicetown, Philadelphia, Pa.
Thomas Henry Smith, Jamestown, N. Y.
Staples & Hanford Company, Newburg, N. Y.
Vogt Manufacturing and Coach Lace Company, Rochester, N. Y.
West Park Shoddy Mill, West Park, N. Y.

3194—UPHOLSTERY FABRICS.

Astoria Silk Works, Long Island City, N. Y.
R. Blankenburg & Co., Philadelphia, Pa.
John Bromley & Sons, Philadelphia, Pa.
L. C. Chase & Co., Boston, Mass.
Cheney Brothers, Inc., South Manchester, Conn.
T. P. Howell & Co., Newark, N. J.
Hoyle, Harrison & Kaye, Philadelphia, Pa.
Manville Company, Providence, R. I.
P. R. Mitchell Company, Cincinnati, Ohio.
Salt's Textile Manufacturing Company, New York.
Sauquoit Silk Manufacturing Company, Nicetown, Philadelphia, Pa.
Schofield, Mason & Co., Philadelphia, Pa.
Standard Table Oil Cloth Company, New York.

3194—UPHOLSTERY FABRICS—Continued.

Stead, Miller & Co., Philadelphia, Pa.
Stengel & Rothschild, Newark, N. J.
W. B. Wiggin's Sons Company, Bloomfield, N. J.

3195—VACCINE.

Frederick Stearns & Co., Detroit, Mich.

3196—VALVES, AIR.

Allis-Chalmers Company, Chicago, Ill.
American Radiator Company, Chicago, Ill.
American Steam Gauge and Valve Manufacturing Company, Boston, Mass.
Chapman Valve Manufacturing Company, Indian Orchard, Mass.
Stanley G. Flagg & Co., Philadelphia, Pa.
Foster Engineering Company, Newark, N .J.
Kelly & Jones Company, New York.
Lunkenheimer Company, Cincinnati, Ohio.
McRae & Roberts Company, Detroit, Mich.
The Mason Regulator Company, Boston, Mass.
Michigan Lubricator Company, Detroit, Mich.
William Powell Company, Cincinnati, Ohio.
The Joseph Schneible Company, New York.
Roe Stephens Manufacturing Company, Detroit, Mich.
Weir & Craig Manufacturing Company, Chicago, Ill.
Wilson, Snyder Manufacturing Company, Pittsburg, Pa.
L. J. Wing Manufacturing Company, New York.

3197—VALVES, GATE AND LOCK.

Allis-Chalmers Company, Chicago, Ill.
Cheney Bigelow Wire Works, Springfield, Mass.
Crane Company, Chicago, Ill.
Detroit Lubricator Company, Detroit, Mich.
Eastwood Wire Manufacturing Company, Belleville, N. J.
Eaton, Cole & Burnham Company, New York.
The Fisher Governor Company, Marshalltown, Iowa.
Flint & Walling Manufacturing Company, Kendallville, Ind.
Foster Engineering Company, Newark, N. J.
Herron Pump and Foundry Company, Chattanooga, Tenn.
Hoffmann & Billings Manufacturing Company, Milwaukee, Wis.
Kelly & Jones Company, New York.
The Kennedy Valve Manufacturing Company, New York.
Lunkenheimer Company, Cincinnati, Ohio.
The Pelton Water Wheel Company, San Francisco, Cal.
Pittsburgh Valve, Foundry and Construction Company, Pittsburg, Pa.
William Powell Company, Cincinnati, Ohio.
Roe Stephens Manufacturing Company, Detroit, Mich.
Walworth Manufacturing Company, Boston, Mass.
Watson-Stillman Company, New York.
R. D. Wood & Co., Philadelphia, Pa.

3198—VALVES, NEEDLE POINT.

Clayton & Lambert Manufacturing Company, Detroit, Mich.
Kelly & Jones Company, New York.
Lunkenheimer Company, Cincinnati, Ohio.
McRae & Roberts Company, Detroit, Mich.

3199—VALVES, RUBBER.

Boston Belting Company, Boston, Mass.
Diamond Rubber Company, Akron, Ohio.
Empire Rubber Manufacturing Company, Trenton, N. J.

3199—VALVES, RUBBER—Continued.

The Eureka Rubber Manufacturing Company, Trenton, N. J.
B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
Home Rubber Company, Trenton, N. J.
Morgan & Wright, Chicago, Ill.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.
Quaker City Rubber Company, Philadelphia, Pa.
Revere Rubber Company, Boston, Mass.
United and Globe Rubber Manufacturing Companies, Trenton, N. J.

3200—VALVES, SAFETY.

Allis-Chalmers Company, Chicago, Ill.
American Steam Gauge and Valve Manufacturing Company, Boston, Mass.
The Ashton Valve Company, Boston, Mass.
Foster Engineering Company, Newark, N. J.
General Fire Extinguisher Company, Providence, R. I.
Kelly & Jones Company, New York.
John E. Lonergan & Co., Philadelphia, Pa.
Lunkenheimer Company, Cincinnati, Ohio.
William Powell Company, Cincinnati, Ohio.
Roe Stephens Manufacturing Company, Detroit, Mich.

3201—VALVES, STEAM, GAS AND WATER.

Allis-Chalmers Company, Chicago, Ill.
American Radiator Company, Chicago, Ill.
American Steam Gauge and Valve Manufacturing Company, Boston, Mass.
The Ashton Valve Company, Boston, Mass.
H. Belfield & Co., Philadelphia, Pa.
Buckeye Iron and Brass Works, Dayton, Ohio.
The Chaplin-Fulton Manufacturing Company, Pittsburg, Pa.
Chapman Valve Manufacturing Company, Indian Orchard, Mass.
Crane Company, Chicago, Ill.
Detroit Lubricator Company, Detroit, Mich.
The Dimmick Pipe Company, Birmingham, Ala.
Eastwood Wire Manufacturing Company, Belleville, N. J.
Eaton, Cole & Burnham Company, New York.
Fairbanks Company, New York.
E. & T. Fairbanks & Co., St. Johnsbury, Vt.
The Fisher Governor Company, Marshalltown, Iowa.
Stanley G. Flagg & Co., Philadelphia, Pa.
Flint & Walling Manufacturing Company, Kandallville, Ind.
Foster Engineering Company, Newark, N. J.
W. T. Garratt & Co., San Francisco, Cal.
General Fire Extinguisher Company, Providence, R. I.
Haines, Jones & Cadbury Company, Philadelphia, Pa.
Herron Pump and Foundry Company, Chattanooga, Tenn.
Hoffmann & Billings Manufacturing Company, Milwaukee, Wis.
International Sprinkler Company, Philadelphia, Pa.
Johnson Service Company, Milwaukee, Wis.
Judson Governor Company, Rochester, N. Y.
Kelly Foundry and Machine Company, Goshen, Ind.
Kelly & Jones Company, New York.
The Kennedy Valve Manufacturing Company, New York.
A. J. Lindemann & Hoverson Company, Milwaukee, Wis.
Liquid Carbonic Company, Chicago, Ill.
John E. Lonergan & Co., Philadelphia, Pa.
Lunkenheimer Company, Cincinnati, Ohio.

3201—VALVES, STEAM, GAS AND WATER—Continued.

McRae & Roberts Company, Detroit, Mich.
The Mason Regulator Company, Boston, Mass.
Michigan Lubricator Company, Detroit, Mich.
The Milner & Kettig Company, Birmingham, Ala.
J. L. Mott Iron Works, New York.
H. Mueller Manufacturing Company, Decatur, Ill.
Niagara Fire Extinguisher Company, Akron, Ohio.
The Ohio Brass Company, Mansfield, Ohio.
The Pelton Water Wheel Company, San Francisco, Cal.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
Pittsburgh Manufacturing Company, Pittsburg, Pa.
Pittsburgh Valve, Foundry and Construction Company, Pittsburg, Pa.
William Powell Company, Cincinnati, Ohio.
Prox & Brinkman Manufacturing Company, Terre Haute, Ind.
John Robertson & Co., Brooklyn, N. Y.
The J. Roylance Brass Works, San Francisco, Cal.
Ruemmeli-Dawley Manufacturing Company, St. Louis, Mo.
J. J. Ryan & Co., Chicago, Ill.
The Joseph Schneible Company, New York.
John Simmons Company, New York.
Roe Stephens Manufacturing Company, Detroit, Mich.
Walworth Manufacturing Company, Boston, Mass.
Watson-Stillman Company, New York.
Warren Webster & Co., Camden, N. J.
Weir & Craig Manufacturing Company, Chicago, Ill.
Western Gas Construction Company, Fort Wayne, Ind.
Wilson, Snyder Manufacturing Company, Pittsburg, Pa.
L. J. Wing Manufacturing Company, New York.
J. B. Wise, Watertown, N. Y.
L. Wolf Manufacturing Company, Chicago, Ill.
R. D. Wood & Co., Philadelphia, Pa.

3202—VALVES, TANK.

(See also Valves, Gate and Lock.)

Kelly Foundry and Machine Company, Goshen, Ind.
Niagara Fire Extinguisher Company, Akron, Ohio.
Pittsburgh Manufacturing Company, Pittsburg, Pa.
Taylor & Boggis Foundry Company, Cleveland, Ohio.
Western Gas Construction Company, Fort Wayne, Ind.

3203—VANILLIN.

The Bull's Ferry Chemical Company, Shadyside, N. J.
The Heyden Chemical Works, New York.

3204—VARNISHES.

Acme White Lead and Color Works, Detroit, Mich.
Adams & Elting Company, Chicago, Ill.
Ault & Wiborg Company, Cincinnati, Ohio.
Bass-Hueter Paint Company, San Francisco, Cal.
Berry Brothers, Ltd., Detroit, Mich.
Bridgeport Wood Finishing Company, New Milford, Conn.
Buffalo Oil, Paint and Varnish Company, Buffalo, N. Y.
Chicago Varnish Company, Chicago, Ill.
Felton, Sibley & Co., Philadelphia, Pa.
Forest City Paint and Varnish Company, Cleveland, Ohio.
Samuel H. French & Co., Philadelphia, Pa.
W. P. Fuller & Co., San Francisco, Cal.
Gerstendorfer Bros., New York.

3204—VARNISHES—Continued.

The Glidden Varnish Company, Cleveland, Ohio.
Golding Manufacturing Company, Boston, Mass.
Heath & Milligan Manufacturing Company, Chicago, Ill.
Hildreth Varnish Company, New York.
John Lucas & Co., Philadelphia, Pa.
Marx & Rawolle, New York.
McLennan Paint Company, Ltd., Buffalo, N. Y.
R. McWilliams, Limited, New Orleans, La.
Moller & Schumann Company, Brooklyn, N. Y.
Murphy Varnish Company, Newark, N. J.
Eugene E. Nice, Philadelphia, Pa.
O'Brien Varnish Company, South Bend, Ind.
Peaslee-Gaulbert Company, Louisville, Ky.
The Sherwin-Williams Company, Cleveland, Ohio.
The Standard Paint Company, New York.
Standard Varnish Works, New York.
Valentine & Co., New York.

3205—VASELIN.

(See Petrolatum.)

3206—VASES, LAWN.

The Champion Iron Company, Kenton, Ohio.
Gladding, McBean & Co., San Francisco, Cal.
The J. L. Mott Iron Works, New York.
Southard Robertson Company, New York.
A. L. Swett Iron Works, Medina, N. Y.
The Van Dorn Iron Works Company, Cleveland, Ohio.

3207—VAULTS, BURGLAR PROOF.

Berlin Construction Company, Berlin, Conn.
Bethlehem Steel Company, South Bethlehem, Pa.
Cary Safe Company, Buffalo, N. Y.
Hall's Safe Company, Cincinnati, Ohio.
Herring-Hall-Marvin Safe Company, New York.
The Van Dorn Iron Works Company, Cleveland, Ohio.
York Safe and Lock Company, York, Pa.

3208—VEGETABLES, CANNED.

The American Preserve Company, Philadelphia, Pa.
Bloomington Canning Company, Bloomington, Ill.
John Boyle Company, Baltimore, Md.
California Fruit Canners' Association, San Francisco, Cal.
Joseph Campbell Company, Camden, N. J.
Curtice Brothers Company, Rochester, N. Y.
Elgin Packing Company, Elgin, Ill.
E. C. Hazard & Co., New York.
H. J. Heinz Company, Pittsburg, Pa.
Kuner Pickle Company, Denver, Col.
Francis H. Leggett & Co., New York.
Merrell-Soule Company, Syracuse, N. Y.
Tuhey Canning Company, Muncie, Ind.
Van Camp Packing Company, Indianapolis, Ind.

3209—VELOCIPEDES, RAILWAY.

Fairbanks, Morse & Co., Chicago, Ill.

3210—VELOURS, COTTON.

Merrimack Manufacturing Company, Boston, Mass.
The New York Mills, New York Mills, Oneida county, N. Y.
Salt's Textile Manufacturing Company, New York.

3211—VELVETEENS.

The New York Mills, New York Mills, Oneida County, N. Y.

3212—VELVETS, SILK.

Astoria Silk Works, Long Island City, N. Y.
Cheney Brothers, Inc., South Manchester, Conn.
Salt's Textile Manufacturing Company, New York.

3213—VENEERS.

Adams & Raymond, Indianapolis, Ind.
E. D. Albro Company, Cincinnati, Ohio.
Anderson-Tully Company, Memphis, Tenn.
Geo. D. Emery Company, Chelsea, Mass.
Hoffman Brothers Company, Fort Wayne, Ind.
Indiana Lumber and Veneer Company, Indianapolis, Ind.
Hugh McLean Lumber Company, Buffalo, N. Y.
C. L. Willey, Chicago, Ill.

3214—VENTILATORS.

American Blower Company, Detroit, Mich.
American Foundry and Furnace Company, Bloomington, Ill.
Bartlett, Hayward & Co., Baltimore, Md.
Berger Manufacturing Company, Canton, Ohio.
Buffalo Forge Company, Buffalo, N. Y.
The Connersville Blower Company, Connersville, Ind.
Duncan Foundry and Machine Works, Alton, Ill.
Eagle Iron Works, Des Moines, Iowa.
Howard & Morse, New York.
Lane & Bodley Company, Cincinnati, Ohio.
Jos. McWilliams & Co., Lousiville, Ky.
Merchant & Co., Inc., Philadelphia, Pa.
Nordyke & Marmon Company, Indianapolis, Ind.
Robinson Machine Company, Monongahela, Pa.
Smith & Anthony Company, Boston, Mass.
Sullivan Machinery Company, Chicago, Ill.
Vulcan Iron Works, Wilkes-Barre, Pa.
L. J. Wing Manufacturing Company, New York.

3215—VESTS AND BANDS, CHILDREN'S.

Max Lowenthal & Brother, Rochester, N. Y.

3216—VICTORIAS.

H. H. Babcock Company, Watertown, N. Y.
H. E. Holmes & Co., San Francisco, Cal.
La Porte Carriage Company, La Porte, Ind.
H. A. Moyer, Syracuse, N. Y.
The New Haven Carriage Company, New Haven, Conn.
Studebaker Brothers Manufacturing Company, South Bend, Ind.

3217—VINEGAR.

The American Preserve Company, Philadelphia, Pa.
Dodson-Braun Manufacturing Company, St. Louis, Mo.
H. J. Heinz Company, Pittsburg, Pa.
Kuner Pickle Company, Denver, Col.
Francis H. Leggett & Co., New York.
Williams Brothers Company, Detroit, Mich.

3218—VISES, BENCH.

Barbour Stockwell Company, Cambridgeport, Mass.
The Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Columbian Hardware Company, Cleveland, Ohio.
Goodell-Pratt Company, Greenfield, Mass.
John H. Graham & Co., New York.
Grand Rapids Hand Screw Company, Grand Rapids, Mich.
Howard Iron Works, Buffalo, N. Y.
Iron City Tool Works, Ltd., Pittsburg, Pa.
National Novelty Corporation, New York.
Arthur J. O'Leary & Son Company, Chicago, Ill.
The Charles Parker Company, Meriden, Conn.
Reed Manufacturing Company, Erie, Pa.
Sandusky Tool Company, Sandusky, Ohio.
Sargent & Co., New York.
H. B. Smith Machine Company, Smithville, N. J.
Stover Manufacturing Company, Freeport, Ill.
Tower & Lyon Company, New York.
Wells Bros. Company, Greenfield, Mass.
Wrightsville Hardware Company, Wrightsville, Pa.

3219—VISES, PIPE.

Armstrong Manufacturing Company, Bridgeport, Conn.
Eaton, Cole & Burnham Company, New York.
Manning, Maxwell & Moore, New York.
Arthur J. O'Leary & Son Company, Chicago, Ill.
Reed Manufacturing Company, Erie, Pa.
Trimont Manufacturing Company, Roxbury, Mass.
Tower & Lyon Company, New York.
Walworth Manufacturing Company, Boston, Mass.
Wells Bros. Company, Greenfield, Mass.

3220—VISES, SAW.

Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Goodell-Pratt Company, Greenfield, Mass.
The New Britain Machine Company, New Britain, Conn.
Sargent & Co., New York.
Seneca Falls Manufacturing Company, Seneca Falls, N. Y.
Tower & Lyon Company, New York.

3221—VOLT METERS.

(See Electrical Measuring Instruments.)

3222—VULCANIZERS, RUBBER.

Boomer & Boschert Press Company, Syracuse, N. Y.
Consolidated Dental Manufacturing Company, New York.
The J. F. W. Dorman Company, Baltimore, Md.

3223—WADDING, COTTON.

Stearns & Foster Company, Cincinnati, Ohio.
Union Wadding Company, Pawtucket, R. I.

3224—WAGON COVERS, WATERPROOF.

Fulton Bag and Cotton Mills, New York.
A. J. Tower Company, Boston, Mass.

3225—WAGONS, CONTRACTORS' AND FREIGHT.

American Road Machine Company, Kennett Square, Pa.
The Belknap Wagon Company, Grand Rapids, Mich.
Bettendorf Axle Company, Davenport, Iowa.

3225—WAGONS, CONTRACTORS' AND FREIGHT—Continued.

Birdsell Manufacturing Company, South Bend, Ind.
Bodley Wagon Company, Memphis, Tenn.
Climax Road Machine Company, Marathon, N. Y.
Electric Wheel Company, Quincy, Ill.
Fish Brothers Wagon Company, Racine, Wis.
Florence Wagon Works, Florence, Ala.
Harrison Wagon Company, Grand Rapids, Mich.
Kentucky Wagon Manufacturing Company, Louisville, Ky.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Milburn Wagon Company, Toledo, Ohio.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Troy Wagon Works Company, Troy, Ohio.
C. A. Warren & Co., San Francisco, Cal.
Western Wheeled Scraper Company, Aurora, Ill.
Winona Wagon Company, Winona, Minn.

3226—WAGONS, EXPRESS AND DELIVERY.

S. E. Bailey & Co., Lancaster, Pa.
The Belknap Wagon Company, Grand Rapids, Mich.
Elkhart Carriage and Harness Manufacturing Company, Elkhart, Ind.
Fish Brothers Wagon Company, Racine, Wis.
The Flint Wagon Works, Flint, Mich.
Harrison Wagon Company, Grand Rapids, Mich.
Hassett & Hodge, Amesbury, Mass.
William G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
H. E. Holmes & Co., San Francisco, Cal.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
La Porte Carriage Company, La Porte, Ind.
The Martin Carriage Works, York, Pa.
Michigan Buggy Company, Kalamazoo, Mich.
Milburn Wagon Company, Toledo, Ohio.
Racine-Sattley Company, Springfield, Ill.
Rock Island Buggy Company, Rock Island, Ill.
St. Louis Coffin Company, St. Louis, Mo.
Schubert Bros. Gear Company, Oneida, N. Y.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Troy Wagon Works Company, Troy, Ohio.
Winona Wagon Company, Winona, Minn.

3227—WAGONS, FARM.

The Belknap Wagon Company, Grand Rapids, Mich.
Benicia Iron Works, Benicia, Cal.
Bettendorf Axle Company, Davenport, Iowa.
Birdsell Manufacturing Company, South Bend, Ind.
Blymyer Iron Works Company, Cincinnati, Ohio.
Bodley Wagon Company, Memphis, Tenn.
Brown Manufacturing Company, Zanesville, Ohio.
Chattanooga Wagon Company, Chattanooga, Tenn.
Electric Wheel Company, Quincy, Ill.
Fish Brothers Wagon Company, Racine, Wis.
The Flint Wagon Works, Flint, Mich.
Florence Wagon Works, Florence, Ala.
Harrison Wagon Company, Grand Rapids, Mich.
James & Graham Wagon Company, Memphis, Tenn.
Kentucky Wagon Manufacturing Company, Louisville, Ky.
King & Hamilton Company, Ottawa, Ill.
Milburn Wagon Company, Toledo, Ohio.
Moline Wagon Company, Moline, Ill.

3227—WAGONS, FARM—Continued.

Olds Wagon Works, Fort Wayne, Ind.
Frank C. Patten Company, Sycamore, Ill.
Racine-Sattley Company, Springfield, Ill.
Sandwich Manufacturing Company, Sandwich, Ill.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
Troy Wagon Works Company, Troy, Ohio.
Winona Wagon Company, Winona, Minn.
Alonzo Wygant, Chicago, Ill.

3228—WAGONS, HOSE.

The Seagrave Company, Columbus, Ohio.

3229—WAGONS, POLICE AND FIRE.

William G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
The Seagrave Company, Columbus, Ohio.
Studebaker Brothers Manufacturing Company, South Bend, Ind.

3230—WAGONS, ROAD.

(See Buggies.)

3231—WAGONS, SPRING.

(See also Buggies.)

S. E. Bailey & Co., Lancaster, Pa.
William G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
Alonzo Wygant, Chicago, Ill.

3232—WAGONS, SPRINKLING.

Studebaker Brothers Manufacturing Company, South Bend, Ind.

3233—WAGONS, STONE SPREADING.

American Road Machine Company, Kennett Square, Pa.
Climax Road Machine Company, Marathon, N. Y.
Western Wheeled Scraper Company, Aurora, Ill.

3234—WAISTS AND SKIRTS.

A. P. Burchfield (Joseph Horne Company), Pittsburg, Pa.
Nazareth Waist Company, Nazareth, Pa.
Max M. Schwarcz & Co., New York.
Standard Manufacturing Company, Boston, Mass.
Strawbridge & Clothier, Philadelphia, Pa.
Tim & Co., Inc., Troy, N. Y.

3235—WALL COVERINGS, WOVEN.

(See Hangings, Wall.)

3236—WARDROBES.

Acme Kitchen Furniture Company, Chattanooga, Tenn.
Art Metal Construction Company, Jamestown, N. Y.
Bentley & Gerwig Furniture Company, Parkersburg, W. Va.
Evansville Furniture Company, Evansville, Ind.
Karges Furniture Company, Evansville, Ind.
The Loomis & Hart Manufacturing Company, Chattanooga, Tenn.
Muskegon Valley Furniture Company, Muskegon, Mich.
Nelson-Matter Furniture Company, Grand Rapids, Mich.
Phoenix Furniture Company, Grand Rapids, Mich.
Jas. G. Wilson Manufacturing Company, New York.

3237—WARPS, COTTON.

Bibb Manufacturing Company, Macon, Ga.
James S. Gary & Son, Baltimore, Md.

3237—WARPS, COTTON—Continued.

Knoxville Woolen Mills, Knoxville, Tenn.
Louisville Cotton Mills Company, Louisville, Ky.
Riverside Manufacturing Company, Anderson, S. C.
Thomas Henry Smith, Jamestown, N. Y.
Warren Manufacturing Company, Warren, R. I.

3238—WARPS, COTTON, CARPET.

The Eagle Cotton Mills, Madison, Ind.
Thomas Henry Smith, Jamestown, N. Y.

3239—WARPS, SILK.

Brainerd & Armstrong Company, New London, Conn.
Cheney Brothers, Inc., South Manchester, Conn.
Sauquoit Silk Manufacturing Company, Nicetown, Philadelphia, Pa.
York Silk Manufacturing Company, York, Pa.

3240—WASH CLOTHS.

Wachusett Mills, Worcester, Mass.

3241—WASHERS, LEATHER.

(See also Leather Goods, Mechanical.)

E. F. Houghton & Co., Philadelphia, Pa.
Page Belting Company, Concord, N. H.
United States Whip Company, Westfield, Mass.

3242—WASHERS, LOCK.

National Lock Washer Company, Newark, N. J.

3243—WASHERS, RUBBER.

Boston Belting Company, Boston, Mass.
H. O. Canfield, Bridgeport, Conn.
Empire Rubber Manufacturing Company, Trenton, N. J.
The Eureka Rubber Manufacturing Company, Trenton, N. J.
B. F. Goodrich Company, Akron, Ohio.
Goodyear Tire and Rubber Company, Akron, Ohio.
Hamilton Rubber Manufacturing Company, Trenton, N. J.
Hartford Rubber Works Company, Hartford, Conn.
Home Rubber Company, Trenton, N. J.
Morgan & Wright, Chicago, Ill.
New Jersey Car Spring and Rubber Company, Jersey City, N. J.
Quaker City Rubber Company, Philadelphia, Pa.
Revere Rubber Company, Boston, Mass.
United and Globe Rubber Manufacturing Companies, Trenton, N. J.

3244—WASHERS, WINDOW AND CAR.

Grand Rapids Brush Company, Grand Rapids, Mich.

3245—WASHERS, WROUGHT IRON AND STEEL.

Aetna Nut Company, Southington, Conn.
American Iron and Steel Manufacturing Company, Lebanon, Pa.
Avery Stamping Company, Cleveland, Ohio.
William Chisholm & Sons, Cleveland, Ohio.
W. J. Clark Company, Salem, Ohio.
Columbus Bolt Works, Columbus, Ohio.
Graham Nut Company, Allegheny, Pa.
Griffin Manufacturing Company, Erie, Pa.
William H. Haskell Manufacturing Company, Pawtucket, R. I.
R. C. Jenkinson & Co., Newark, N. J.
Judson Manufacturing Company, San Francisco, Cal.

3245—WASHERS, WROUGHT IRON AND STEEL—Continued.

Michigan Bolt and Nut Works, Detroit, Mich.
National Lock Washer Company, Newark, N. J.
Oliver Iron and Steel Company, Pittsburg, Pa.
Republic Iron and Steel Company, Chicago, Ill.
J. H. Sessions & Son, Bristol, Conn.
Upson Nut Company, Cleveland, Ohio.

3246—WASHING MACHINES.

The Blackstone Manufacturing Company, Jamestown, N. Y.
H. F. Brammer Manufacturing Company, Davenport, Iowa.
H. W. Butterworth & Sons Company, Philadelphia, Pa.
A. T. Hagen Company, Rochester, N. Y.
Richmond Cedar Works, Richmond, Va.

3247—WASHING MACHINES, ORE, COAL AND SAND.

The Crossley Manufacturing Company, Trenton, N. J.
Heyl & Patterson, Pittsburg, Pa.
Jeffrey Manufacturing Company, Columbus, Ohio.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.

3248—WASHING POWDER.

The N. K. Fairbank Company, Chicago, Ill.

3249—WASTE, COTTON.

A. Leschen & Sons Rope Company, St. Louis, Mo.
Riverside Mills, Augusta, Ga.
Union Wadding Company, Pawtucket, R. I.

3250—WATCH CASES.

R. R. Fogel & Co., New York.
Philadelphia Watch Case Company, Riverside, N. J.
The Wadsworth Watch Case Company, Dayton, Ky.

3251—WATCH CHAIN TRIMMINGS.

(See Novelties, Jewelry.)

3252—WATCH MOVEMENTS.

The Elgin National Watch Company, Chicago, Ill.
Illinois Watch Company, Springfield, Ill.
Philadelphia Watch Case Company, Riverside, N. J.
Trenton Watch Company, Trenton, N. J.

3253—WATCHES.

R. R. Fogel & Co., New York.
Keystone Watch Case Company, Philadelphia, Pa.
New England Watch Company, Waterbury, Conn.
Philadelphia Watch Case Company, Riverside, N. J.
Robbins & Appleton, New York.
Trenton Watch Company, Trenton, N. J.

3254—WATER CLOSETS.

American Foundry and Furnace Company, Bloomington, Ill.
The Great Western Pottery Company, Kokomo, Ind.
Haines, Jones & Cadbury Company, Philadelphia, Pa.
Illinois Malleable Iron Company, Chicago, Ill.
J. M. Kohler Sons Company, Sheboygan, Wis.
Thomas Maddock's Sons Company, Trenton, N. J.
The J. L. Mott Iron Works, New York.
The Peck Brothers & Co., New Haven, Conn.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.

3254—WATER CLOSETS—Continued.

The J. Roylance Brass Works, San Francisco, Cal.
Standard Sanitary Manufacturing Company, Pittsburg, Pa.
Trenton Potteries Company, Trenton, N. J.
L. Wolff Manufacturing Company, Chicago, Ill.

3255—WATER CLOSETS, RAILWAY CAR.

Dayton Manufacturing Company, Dayton, Ohio.
James L. Howard & Co., Hartford, Conn.
Thomas Maddock's Sons Company, Trenton, N. J.

3256—WATER, DISTILLED.

Hygeia Distilled Water Company, New York.

3257—WATER DISTILLING APPARATUS.

(See Distilling Apparatus, Water.)

3258—WATER WHEELS.

(See Wheels, Impulse Water; also Turbines, Water.)

3259—WATERS, MINERAL AND MEDICINAL.

The G. F. Harvey Company, Saratoga Springs, N. Y.
Hygeia Distilled Water Company, New York.
William R. Warren & Co., Philadelphia, Pa.

3260—WATERS, TOILET.

Hall & Ruckel, New York.
Lazell, Dalley & Co., New York.
Frederick Stearns & Co., Detroit, Mich.

3261—WATERPROOFING, CLOTH.

F. E. Atteaux & Co., Boston, Mass.

3262—WATERPROOFING, SHOE.

Restorff & Bettmann, New York.

3263—WATT METERS.

(See Electrical Measuring Instruments.)

3264—WAX, FLOOR.

Adams & Elting Company, Chicago, Ill.
Felton, Sibley & Co., Philadelphia, Pa.
R. McWilliams, Limited, New Orleans, La.
Eugene E. Nice, Philadelphia, Pa.
Levi Smith, North Clarendon, Pa.

3265—WAX, IRONING.

Will & Baumer Company, Syracuse, N. Y.

3266—WAX, SEALING.

Crew-Levick Company, Philadelphia, Pa.
Marx & Rawolle, New York.
Sanford Manufacturing Company, Chicago, Ill.

3267—WAX, SHOEMAKERS'.

The Sewing Machine Supplies Company, Boston, Mass.
Levi Smith, North Clarendon, Pa.

3268—WEATHER STRIP, METALLIC.

Dayton Manufacturing Company, Dayton, Ohio.
Muskingum Valley Steel Company, Zanesville, Ohio.

3269—WEBBING.

The American Mills Company, Waterbury, Conn.
Buffalo Weaving and Belting Company, Buffalo, N. Y.
Fletcher Manufacturing Company, Providence, R. I.
Hope Webbing Company, Providence, R. I.
Ludlow Manufacturing Associates, Boston, Mass.
Vogt Manufacturing and Coach Lace Company, Rochester, N. Y.

3270—WEBBING, ELASTIC.

The American Mills Company, Waterbury, Conn.
Hope Webbing Company, Providence, R. I.

3271—WEDGES, STEEL.

W. H. Anderson & Sons, Inc., Detroit, Mich.
The Evansville Tool Works, Evansville, Ind.
Iron City Tool Works, Ltd., Pittsburg, Pa.
The Klein-Logan Company, Pittsburg, Pa.
Oliver Iron and Steel Company, Pittsburg, Pa.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Transue & Williams Company, Alliance, Ohio.
Warwood Tool Company, Wheeling, W. Va.

3272—WEDGES, WOODEN.

United States Bung Manufacturing Company, Brooklyn, N. Y.

3273—WEEDERS.

Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass.
The W. J. Clark Company, Salem, Ohio.
The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
Emerson Manufacturing Company, Rockford, Ill.
Harrow Spring Company, Kalamazoo, Mich.
Keystone Farm Machine Company, York, Pa.
Roderick Lean Manufacturing Company, Mansfield, Ohio.
Wiard Plow Company, Batavia, N. Y.

3274—WEIGHTS AND MEASURES, STANDARD.

W. & L. E. Gurley, Inc., Troy, N. Y.
The Lufkin Rule Company, Saginaw, Mich.
United Indurated Fibre Company of N. J., Lockport, N. Y.

3275—WELDERS, TIRE.

Long & Allstatter Company, Hamilton, Ohio.

3276—WELTING, SHOE.

Page Belting Company, Concord, N. H.
The Sewing Machine Supplies Company, Boston, Mass.
Webster & Co., Boston, Mass.
I. B. Williams & Sons, Dover, N. H.

3277—WHARF DROPS.

American Ship Windlass Company, Providence, R. I.

3278—WHEEL PARTS, WOOD.

Crane & MacMahon, New York.
William G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
Himmelberger-Harrison Lumber Company, Morehouse, Mo.
Phineas Jones & Co., Newark, N. J.
Kelly Foundry and Machine Company, Goshen, Ind.
Lambertville Spoke Manufacturing Company, Lambertville, N. J.
Muncie Wheel and Jobbing Company, Muncie, Ind.

3278—WHEEL PARTS, WOOD—Continued.

Perrine Armstrong Company, Fort Wayne, Ind.
Pontiac Wheel Company, Pontiac, Mich.
J. M. Skinner Bending Company, Toledo, Ohio.
Wilbur Slack, Trenton, N. J.
Standard Wheel Company, Terre Haute, Ind.
Von Behren Manufacturing Company, Evansville, Ind.
Weis & Lesh Manufacturing Company, Muncie, Ind.

3279—WHEELBARROWS.

The American Steel Scraper Company, Sidney, Ohio.
W. H. Anderson & Sons, Inc., Detroit, Mich.
Bodley Wagon Company, Memphis, Tenn.
A. Buch's Sons Company, Elizabethtown, Pa.
The W. J. Clark Company, Salem, Ohio.
Keystone Farm Machine Company, York, Pa.
Kilbourne & Jacobs Manufacturing Company, Columbus, Ohio.
Lansing Wheelbarrow Company, Lansing, Mich.
Henry Martin Brick Machine Manufacturing Company, Lancaster, Pa.
Sidney Steel Scraper Company, Sidney, Ohio.
Syracuse Chilled Plow Company, Syracuse, N. Y.

3280—WHEELS, AGRICULTURAL IMPLEMENT.

Bettendorf Axle Company, Davenport, Iowa.
Bettendorf Metal Wheel Company, Davenport, Iowa.
The Empire Plow Company, Cleveland, Ohio.

3281—WHEELS, AUTOMOBILE.

Crane & MacMahon, New York.
Lobdell Car Wheel Company, Wilmington, Del.
The New Haven Carriage Company, New Haven, Conn.

3282—WHEELS, CAR AND LOCOMOTIVE.

American Car and Foundry Company, New York.
The Bass Foundry and Machine Company, Fort Wayne, Ind.
Bettendorf Axle Company, Davenport, Iowa.
Chattanooga Car and Foundry Company, Chattanooga, Tenn.
Chrome Steel Works, Brooklyn, N. Y.
Duncan Foundry and Machine Works, Alton, Ill.
Electric Wheel Company, Quincy, Ill.
Lobdell Car Wheel Company, Wilmington, Del.
Mt. Vernon Car Manufacturing Company, Mt. Vernon, Ill.
Phillips Mine and Mill Supply Company, Pittsburg, Pa.
Standard Steel Works, Philadelphia, Pa.
Taylor Iron and Steel Company, High Bridge, N. J.
The Watt Mining Car Wheel Company, Barnesville, Ohio.
Wendell & MacDuffie, New York.

3283—WHEELS, CAR AND LOCOMOTIVE, ROLLED STEEL.

Standard Steel Works, Philadelphia, Pa.

3284—WHEELS, EMERY AND CORUNDUM.

The Abrasive Material Company, Philadelphia, Pa.
The Bridgeport Safety Emery Wheel Company, Bridgeport, Conn.
Carborundum Company, Niagara Falls, N. Y.
Chicago Wheel and Manufacturing Company, Chicago, Ill.
Norton Emery Wheel Company, Worcester, Mass.
Philadelphia Lawn Mower Company, Philadelphia, Pa.

3284—WHEELS, EMERY AND CORUNDUM—Continued.

Pike Manufacturing Company, Pike, N. H.
Safety Emery Wheel Company, Springfield, Ohio.
Stow Manufacturing Company, Binghamton, N. Y.

3285—WHEELS, FIFTH.

The E. D. Clapp Manufacturing Company, Auburn, N. Y.
Columbus Bolt Works, Columbus, Ohio.
Eberhard Manufacturing Company, Cleveland, Ohio.

3286—WHEELS, FLY.

(See also Pulleys, Cast Iron.)

Dodge Manufacturing Company, Mishawaka, Ind.
Medart Patent Pulley Company, St. Louis, Mo.

3287—WHEELS, IMPULSE, WATER.

Allis-Chalmers Company, Chicago, Ill.
Blymyer Iron Works Company, Cincinnati, Ohio.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
De Loach Mill Manufacturing Company, Atlanta, Ga.
Lane Manufacturing Company, Montpelier, Vt.
James Leffel & Co., Springfield, Ohio.
The Pelton Water Wheel Company, San Francisco, Cal.

3288—WHEELS, LEATHER, POLISHING.

(See Leather, Polishing.)

3289—WHEELS, PAPER, POLISHING.

The Cleveland-Akron Bag Company, Cleveland, Ohio.
Divine Brothers Company, Utica, N. Y.
The Rockwood Manufacturing Company, Indianapolis, Ind.

3290—WHEELS, PROPELLER.

The J. D. Connell Iron Works, New Orleans, La.
William Cramp & Sons' Ship and Engine Building Co., Philadelphia, Pa.
King Iron Works, Buffalo, N. Y.
Morris Machine Works, Baldwinsville, N. Y.
Paul S. Reeves & Son, Philadelphia, Pa.
T. Shriver & Co., New York.

3291—WHEELS, RUBBER-TIRED.

Crane & MacMahon, New York.
Hench, Dromgold & Co., York, Pa.
Lansing Wheelbarrow Company, Lansing, Mich.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.

3292—WHEELS, SHEAVE.

(See also Sheaves, Tackle Block.)

Dodge Manufacturing Company, Mishawaka, Ind.
Hill Clutch Company, Cleveland, Ohio.
Jeffrey Manufacturing Company, Columbus, Ohio.
Link-Belt Machinery Company, Chicago, Ill.
Munson Bros. Company, Utica, N. Y.
T. Shriver & Co., New York.

3293—WHEELS, SPROCKET.

C. O. Bartlett & Snow Company, Cleveland, Ohio.
Buhl Malleable Company, Detroit, Mich.
Chain Belt Company, Milwaukee, Wis.

3293—WHEELS, SPROCKET—Continued.

Federal Manufacturing Company, Cleveland, Ohio.
The I. & E. Greenwald Company, Cincinnati, Ohio.
Jeffrey Manufacturing Company, Columbus, Ohio.
Link-Belt Engineering Company, Nicetown, Philadelphia, Pa.
Link-Belt Machinery Company, Chicago, Ill.
Medart Patent Pulley Company, St. Louis, Mo.
Nordyke & Marmon Company, Indianapolis, Ind.
Stephens-Adamson Manufacturing Company, Aurora, Ill.
Taylor Iron and Steel Company, High Bridge, N. J.

3294—WHEELS, TURBINE.

(See Turbines, Water.)

3295—WHEELS, WIRE AND METAL.

Avery Stamping Company, Cleveland, Ohio.
S. R. Bailey & Co., Amesbury Mass.
Bettendorf Axle Company, Davenport, Iowa.
Bettendorf Metal Wheel Company, Davenport, Iowa.
Electric Wheel Company, Quincy, Ill.
Gendron Wheel Company, Toledo, Ohio.
Kelly Foundry and Machine Company, Goshen, Ind.
The Standard Welding Company, Cleveland, Ohio.

3296—WHEELS, WOODEN VEHICLE.

Crane & MacMahon, New York.
The Flint Wagon Works, Flint, Mich.
The Gendron Wheel Company, Toledo, Ohio.
Williamb G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
The Holt Manufacturing Company, Stockton, Cal.
Phineas Jones & Co., Newark, N. J.
Kelly Foundry and Machine Company, Goshen, Ind.
Lambertville Spoke Manufacturing Company, Lambertville, N. J.
Muncie Wheel and Jobbing Company, Muncie, Ind.
Parry Manufacturing Company, Indianapolis, Ind.
Perrine Armstrong Company, Fort Wayne, Ind.
Pontiac Wheel Company, Pontiac, Mich.
Safety Buggy Company, Lancaster, Pa.
Wilbur Slack, Trenton, N. J.
Standard Wheel Company, Terre Haute, Ind.
Studebaker Brothers Manufacturing Company, South Bend, Ind.
The Zwick & Greenwald Wheel Company, Dayton, Ohio.

3297—WHETSTONES.

(See Stones, Sharpening.)

3298—WHIFFLETREES, STEEL.

The Empire Plow Company, Cleveland, Ohio.
Republic Iron and Steel Company, Chicago, Ill.
Todd Manufacturing Company, New Albany, Ind.

3299—WHIFFLETREES, WOOD.

Crane & MacMahon, New York.
Hartwell Brothers, Chicago Heights, Ill.
Lambertville Spoke Manufacturing Company, Lambertville, N. J.
The Pioneer Pole and Shaft Company, Piqua, Ohio.
Todd Manufacturing Company, New Albany, Ind.
Von Behren Manufacturing Company, Evansville, Ind.

3300—WHIPS, CARRIAGE AND RIDING, ETC.

Binghamton Whip Company, Binghamton, N. Y.
United States Whip Company, Westfield, Mass.
Whitney & Sloo Company, Ltd., New Orleans, La.

3301—WHIPS, RAWHIDE.

Baeder, Adamson & Co., Philadelphia, Pa.
Binghamton Whip Company, Binghamton, N. Y.
United States Whip Company, Westfield, Mass.

3302—WHISKEY.

Bernheim Distilling Company, Inc., Louisville, Ky.
Freiberg & Workum, Cincinnati, Ohio.
Paul Jones & Co., Louisville, Ky.
Moore & Sinnott, Philadelphia, Pa.
Wright & Taylor, Louisville, Ky.

3303—WHISTLES, STEAM.

American Steam Gauge and Valve Manufacturing Co., Boston, Mass.
H. Belfield & Co., Philadelphia, Pa.
Eastwood Wire Manufacturing Company, Belleville, N. J.
W. T. Garratt & Co., San Francisco, Cal.
Kelly & Jones Company, New York.
John E. Lonergan & Co., Philadelphia, Pa.
Lunkenheimer Company, Cincinnati, Ohio.
William Powell Company, Cincinnati, Ohio.

3304—WHITING.

Nulsen, Klein & Krausse Manufacturing Company, St. Louis, Mo.
The H. F. Taintor Manufacturing Company, New York.

3305—WICKETS, CROQUET, ETC.

National Novelty Corporation, New York.
Spencer Wire Company, Worcester, Mass.

3306—WICKING, BRAIDED, CANDLE.

Bibb Manufacturing Company, Macon, Ga.

3307—WICKS, LAMP AND STOVE.

Fletcher Manufacturing Company, Providence, R. I.

3308—WINCHES AND CAPSTANS.

(See also Capstans.)

Filer & Stowell Company, Milwaukee, Wis.

3309—WIND MILL SUPPLIES.

The S. Freeman & Sons Manufacturing Company, Racine, Wis.

3310—WIND MILLS.

Baker Manufacturing Company, Evansville, Wis.
Bliss & Van Auken, Saginaw, Mich.
Fairbanks, Morse & Co., Chicago, Ill.
Flint & Walling Manufacturing Company, Kendallville, Ind.
The S. Freeman & Sons Manufacturing Company, Racine, Wis.
The M. Garland Company, Bay City, Mich.
Kalamazoo Tank and Silo Company, Kalamazoo, Mich.
Mast, Foos & Co., Springfield, Ohio.
Stover Manufacturing Company, Freeport, Ill.

3311—WINDLASSES.

American Ship Windlass Company, Providence, R. I.
Brown Hoisting Machinery Company, Cleveland, Ohio.
Chase Machine Company, Cleveland, Ohio.
Eagle Iron Works, Des Moines, Iowa.
Filer & Stowell Company, Milwaukee, Wis.
Lidgerwood Manufacturing Company, New York.
Modern Steel Structural Company, Waukesha, Wis.
The Vulcan Iron Works, Seattle, Wash.

3312—WINDOW FRAMES AND SASH, METAL.

American Pulley Company, Philadelphia, Pa.
E. B. Badger & Sons Company, Boston, Mass.
H. E. Bradford & Co., Bennington, Vt.
Griffin Manufacturing Company, Erie, Pa.
Klauer Manufacturing Company, Dubuque, Iowa.
David Lupton's Sons Company, Philadelphia, Pa.
W. H. Mullins, Salem, Ohio.
Sargent & Co., New York.
The Van Dorn Iron Works Company, Cleveland, Ohio.

3313—WINDOWS.

(See Doors, Sash and Blinds.)

3314—WINES.

California Wine Association, San Francisco, Cal.
E. C. Hazard & Co., New York.

3315—WINES, MEDICINAL.

Chattanooga Medicine Company, Chattanooga, Tenn.
The G. F. Harvey Company, Saratoga Springs, N. Y.
Eli Lilly & Co., Indianapolis, Ind.
Maltine Company, Brooklyn, N. Y.
Dr. Miles Medical Company, Elkhart, Ind.
Parke, Davis & Co., Detroit, Mich.
Frederick Stearns & Co., Detroit, Mich.
Henry K. Wampole & Co., Philadelphia, Pa.
William R. Warner & Co., Philadelphia, Pa.
John Wyeth & Brother, Inc., Philadelphia, Pa.

3316—WIRE, ALUMINUM.

The Pittsburgh Reduction Company, Pittsburg, Pa.

3317—WIRE, ANNUNCIATOR.

Bridgeport Brass Company, Bridgeport, Conn.
Monarch Electric and Wire Company, Chicago, Ill.
Phillips Insulated Wire Company, Pawtucket, R. I.

3318—WIRE, BARB.

Alabama Steel and Wire Company, Gadsden, Ala.
American Steel and Wire Company, New York.
Grand Crossing Tack Company, Chicago, Ill.
Kokomo Steel and Wire Company, Kokomo, Ind.
Norton Iron Works, Ashland, Ky.
Page Woven Wire Fence Company, Adrian, Mich.

3319—WIRE, BRASS.

Ansonia Brass and Copper Company, New York.
Benedict & Burnham Manufacturing Company, Waterbury, Conn.
Bridgeport Brass Company, Bridgeport, Conn.

3319—WIRE, BRASS—Continued.

Coe Brass Manufacturing Company, Torrington, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Manhattan Brass Company, New York.
The Plume & Atwood Manufacturing Company, New York.
Rome Brass and Copper Company, Rome, N. Y.
Scovill Manufacturing Company, Waterbury, Conn.
Waterbury Brass Company, Waterbury, Conn.

3320—WIRE CLOTH AND NETTING.

American Steel and Wire Company, New York.
Arawana Mills, Middletown, Conn.
Cheney Bigelow Wire Works, Springfield, Mass.
Cleveland Wire Spring Company, Cleveland, Ohio.
Eastwood Wire Manufacturing Company, Belleville, N. J.
Gilbert & Bennett Manufacturing Company, Georgetown, Conn.
Higgin Manufacturing Company, Newport, Ky.
Howard & Morse, New York.
Lamb Wire Fence Company, Adrian, Mich.
A. Lucas & Sons, Peoria, Ill.
Merritt & Co., Inc., Philadelphia, Pa.
Fred J. Meyers Manufacturing Company, Hamilton, Ohio.
Michigan Wire Cloth Company, Detroit, Mich.
The New Jersey Wire Cloth Company, Trenton, N. J.
Nordyke & Marmon Company, Indianapolis, Ind.
Page Woven Wire Fence Company, Adrian, Mich.
The Peck Brothers & Co., New Haven, Conn.
The Standard Company, Chicago, Ill.
Taylor & Dean, Pittsburg, Pa.
W. S. Tyler Company, Cleveland, Ohio.

3321—WIRE, COPPER.

Ansonia Brass and Copper Company, New York.
Bridgeport Brass Company, Bridgeport, Conn.
Coe Brass Manufacturing Company, Torrington, Conn.
Detroit Copper and Brass Rolling Mills, Detroit, Mich.
Hazard Manufacturing Company, Wilkes-Barre, Pa.
Hendricks Brothers, New York.
Monarch Electric and Wire Company, Chicago, Ill.
Phillips Insulated Wire Company, Pawtucket, R. I.
Rome Brass and Copper Company, Rome, N. Y.
Standard Underground Cable Company, Pittsburg, Pa.

3322—WIRE FENCING.

Alabama Steel and Wire Company, Gadsden, Ala.
American Steel and Wire Company, New York.
The Champion Iron Company, Kenton, Ohio.
Gilbert & Bennett Manufacturing Company, Georgetown, Conn.
Grand Crossing Tack Company, Chicago, Ill.
Howard & Morse, New York.
Kokomo Steel and Wire Company, Kokomo, Ind.
Lamb Wire Fence Company, Adrian, Mich.
A. Leschen & Sons Rope Company, St. Louis, Mo.
A. Lucas & Sons, Peoria, Ill.
Norton Iron Works, Ashland, Ky.
Page Woven Wire Fence Company, Adrian, Mich.
Spencer Wire Company, Worcester, Mass.
The Van Dorn Iron Works Company, Cleveland, Ohio.

3323—WIRES, FOURDRINIER.

Cheney Bigelow Wire Works, Springfield, Mass.
Eastwood Wire Manufacturing Company, Belleville, N. J.
W. S. Tyler Company, Cleveland, Ohio.

3324—WIRE, GALVANIZED.

American Steel and Wire Company, New York.
Broderick & Bascom Rope Company, St. Louis, Mo.
Cleveland Wire Spring Company, Cleveland, Ohio.
Hazard Manufacturing Company, Wilkes-Barre, Pa.
Kokomo Steel and Wire Company, Kokomo, Ind.
Monarch Electric and Wire Company, Chicago, Ill.
Norton Iron Works, Ashland, Ky.
Page Woven Wire Fence Company, Adrian, Mich.
Philips' Pressed Steel Pulley Works, Philadelphia, Pa.
Spencer Wire Company, Worcester, Mass.
C. C. & E. P. Townsend, New Brighton, Pa.

3325—WIRE, GERMAN SILVER.

Bridgeport Brass Company, Bridgeport, Conn.
Coe Brass Manufacturing Company, Torrington, Conn.
The Plume & Atwood Manufacturing Company, New York.
Waterbury Brass Company, Waterbury, Conn.

3326—WIRE, INSULATED.

Albert & J. M. Anderson Manufacturing Company, Boston, Mass.
Ansonia Brass and Copper Company, New York.
Bridgeport Brass Company, Bridgeport, Conn.
Chase-Shawmut Company, Newburyport, Mass.
Electrical Manufacturers' Export Company, New York.
Hazard Manufacturing Company, Wilkes-Barre, Pa.
Kellogg Switchboard and Supply Company, Chicago, Ill.
Monarch Electric and Wire Company, Chicago, Ill.
Alfred F. Moore, Philadelphia, Pa.
Phillips Insulated Wire Company, Pawtucket, R. I.
The Simplex Electrical Company, Boston, Mass.
Standard Underground Cable Company, Pittsburg, Pa.
Wendell & MacDuffie, New York.

3327—WIRE, IRON.

Hazard Manufacturing Company, Wilkes-Barre, Pa.
Monarch Electric and Wire Company, Chicago, Ill.
Norton Iron Works, Ashland, Ky.
Spencer Wire Company, Worcester, Mass.

3328—WIRE LATHING.

American Steel and Wire Company, New York.
Merritt & Co., Inc., Philadelphia, Pa.
The New Jersey Wire Cloth Company, Trenton, N. J.

3329—WIRE, MANGANESE BRONZE.

Paul S. Reeves & Son, Philadelphia, Pa.

3330—WIRE, NICKEL.

(See Nickel, Sheet, Rod and Wire.)

3331—WIRES, PAPER MILL.

American Steel and Wire Company, New York.
Eastwood Wire Manufacturing Company, Belleville, N. J.
W. S. Tyler Company, Cleveland, Ohio.

3332—WIRE, PHOSPHOR-BRONZE.

Phosphor-Bronze Smelting Company, Ltd., Philadelphia, Pa.
Paul S. Reeves & Son, Philadelphia, Pa.

3333—WIRE RODS, BRASS AND COPPER.

Manhattan Brass Company, New York.
Rome Brass and Copper Company, Rome, N. Y.

3334—WIRE RODS, STEEL.

Alabama Steel and Wire Company, Gadsden, Ala.
Grand Crossing Tack Company, Chicago, Ill.
Illinois Steel Company, Chicago, Ill.
Kokomo Steel and Wire Company, Kokomo, Ind.
Page Woven Wire Fence Company, Adrian, Mich.

3335—WIRE ROPE.

(See Cordage, Wire.)

3336—WIRE, SPRING.

American Steel and Wire Company, New York.
Cleveland Wire Spring Company, Cleveland, Ohio.
Spencer Wire Company, Worcester, Mass.

3337—WIRE, STEEL.

Alabama Steel and Wire Company, Gadsden, Ala.
American Steel and Wire Company, New York.
Broderick & Bascom Rope Company, St. Louis, Mo.
The Colorado Fuel and Iron Company, Denver, Col.
Gilbert & Bennett Manufacturing Company, Georgetown, Conn.
Grand Crossing Tack Company, Chicago, Ill.
Hazard Manufacturing Company, Wilkes-Barre, Pa.
Kokomo Steel and Wire Company, Kokomo, Ind.
Norton Iron Works, Ashland, Ky.
Page Woven Wire Fence Company, Adrian, Mich.
Spencer Wire Company, Worcester, Mass.
C. C. & E. P. Townsend, New Brighton, Pa.

3338—WOOD, BENT.

Crane & MacMahon, New York.
Hartwell Brothers, Chicago Heights, Ill.
William G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
Lambertville Spoke Manufacturing Company, Lambertville, N. J.
The Michigan Barrel Company, Grand Rapids, Mich.
The Ohio Cooperage Company, Cleveland, Ohio.
Perrine Armstrong Company, Fort Wayne, Ind.
J. M. Skinner Bending Company, Toledo, Ohio.
Standard Hoop Company, Ltd., West Bay City, Mich.
Von Behren Manufacturing Company, Evansville, Ind.

3339—WOODENWARE.

Bousfield & Co., Bay City, Mich.
Bousfield Wooden Ware Co., Minneapolis, Minn.
California Barrel Company, San Francisco, Cal.
Hightower Box and Tank Company, Atlanta, Ga.
Menasha Wooden Ware Company, Menasha, Wis.
Mengel Box Company, Louisville, Ky.
The Michigan Barrel Company, Grand Rapids, Mich.
Paepcke-Leicht Lumber Company, Chicago, Ill.
Piqua Handle and Manufacturing Company, Piqua, Ohio.
Richmond Cedar Works, Richmond, Va.

3339—WOODENWARE—Continued.

Saginaw Manufacturing Company, Saginaw, Mich.
John Sommer's Son, Newark, N. J.
J. N. Struck & Bro., Inc., Louisville, Ky.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.
The Udell Works, Indianapolis, Ind.
Union Cooperage Company, St. Louis, Mo.
United States Bung Manufacturing Company, Brooklyn, N. Y.

3340—WOOD FILLERS.

Acme White Lead and Color Works, Detroit, Mich.
Adams & Elting Company, Chicago, Ill.
The Bridgeport Wood Finishing Company, New Milford, Conn.
Felton, Sibley & Co., Philadelphia, Pa.
Forest City Paint and Varnish Company, Cleveland, Ohio.
Heath & Milligan Manufacturing Company, Chicago, Ill.
John Lucas & Co., Philadelphia, Pa.
Moller & Schumann Company, Brooklyn, N. Y.
Eugene E. Nice, Philadelphia, Pa.
Pecora Paint Company, Philadelphia, Pa.

3341—WOOD PULP WARE.

Mullen Brothers Paper Company, St. Joseph, Mich.
The Russell Company, Boston, Mass.
United Indurated Fibre Company of N. J., Lockport, N. Y.

3342—WOODWORK, CARRIAGE.

Crane & MacMahon, New York .
Hartwell Brothers, Chicago Heights, Ill.
William G. Hesse & Son Manufacturing Company, Leavenworth, Kan.
Himmelberger-Harrison Lumber Company, Morehouse, Mo.
The New Haven Carriage Company, New Haven, Conn.
Perrine Armstrong Company, Fort Wayne, Ind.
The Pioneer Pole and Shaft Company, Piqua, Ohio.
Safety Buggy Company, Lancaster, Pa.
Schubert Bros. Gear Company, Oneida, N. Y.
J. M. Skinner Bending Company, Toledo, Ohio.
Von Behren Manufacturing Company, Evansville, Ind.

3343—WOODWORK, EXTERIOR.

D. W. Alderman & Sons Company, Alcolu, S. C.
E. Bailey & Sons, Inc., Patchogue, N. Y.
Bering Manufacturing Company, Inc., Houston, Tex.
Louis Bossert & Son, Brooklyn, N. Y.
Ducker Company, New York.
Florence Pump and Lumber Company, Memphis, Tenn.
Hafner Manufacturing Company, St. Louis, Mo.
Hartmann Brothers Manufacturing Company, Mt. Vernon, N. Y.
C. A. Hooper & Co., San Francisco, Cal.
Hughes Manufacturing Company, Los Angeles, Cal.
John S. Loomis Company, Brooklyn, N. Y.
Mershon, Schuette, Parker & Co., Saginaw, Mich.
John C. Orr & Co., Brooklyn, N. Y.
Paine Lumber Company, Ltd., Oshkosh, Wis.
Pope & Talbot, San Francisco, Cal.
The F. A. Requarth Company, Dayton, Ohio.
A. Roberson & Son, Binghamton, N. Y.
Standard Millwork Company, Cincinnati, Ohio.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.
The Wheeler Osgood Company, Tacoma, Wash.

3344—WOODWORK, INTERIOR.

D. W. Alderman & Sons Company, Alcolu, S. C.
Aldine Grate and Mantel Company, Grand Rapids, Mich.
American Parquetry Floor Company, Philadelphia, Pa.
Avery & Co., Saginaw, Mich.
E. Bailey & Sons, Inc., Patchogue, N. Y.
Barclay Brothers, Sinnamahoning, Pa.
Bartlett & Co., Binghamton, N. Y.
The Batavia and New York Wood Working Company, Batavia, N. Y.
Bering Manufacturing Company, Inc., Houston, Tex.
Bliss & Van Auken, Saginaw, Mich.
Louis Bossert & Son, Brooklyn, N. Y.
Briggs & Cooper Company, Ltd., Saginaw, Mich.
The Brunswick-Balke-Collender Company, New York.
Butters Lumber Company, Boardman, Columbus County, N. C.
The California Door Company, San Francisco, Cal.
The Central Sash and Door Company, Topeka, Kan.
The Compound Door Company, St. Joseph, Mich.
Dayton Lumber and Manufacturing Company, Dayton, Ohio.
R. H. Downman, New Orleans, La.
Ducker Company, New York.
The M. B. Farrin Lumber Company, Cincinnati, Ohio.
Florence Pump and Lumber Company, Memphis, Tenn.
Foster-Lothman Mills, Oshkosh, Wis.
Foster Lumber Company, Indianapolis, Ind.
Fuller & Rice Lumber and Manufacturing Company, Grand Rapids, Mich.
John A. Gauger & Co., Chicago, Ill.
Henry Gaus & Sons Manufacturing Company, St. Louis, Mo.
Edward Germain, Saginaw, Mich.
Hafner Manufacturing Company, St. Louis, Mo.
The Hallack & Howard Lumber Company, Denver, Col.
Hartmann Brothers Manufacturing Company, Mt. Vernon, N. Y.
Himmelberger-Harrison Lumber Company, Morehouse, Mo.
C. A. Hooper & Co., San Francisco, Cal.
Hughes Manufacturing Company, Los Angeles, Cal.
Huttig Sash and Door Company, St. Louis, Mo.
Irving & Casson, Boston, Mass.
Elisha K. Kane, Kushequa, Pa.
Charles C. Kellogg & Sons Company, Utica, N. Y.
Kertscher & Co., New York.
Laird, Norton Co., Winona, Minn.
Library Bureau, Boston, Mass.
John S. Loomis Company, Brooklyn, N. Y.
The Edwards Lumber and Coal Company, Long Branch, N. J.
McConnell Manufacturing Company, Hornellsville, N. Y.
Massee & Felton Lumber Company, Macon, Ga.
Matthews Brothers Manufacturing Company, Milwaukee, Wis.
Mershon, Schuette, Parker & Co., Saginaw, Mich.
Wm. Miller & Sons, Inc., Rochester, Pa.
The Robert Mitchell Furniture Company, Cincinnati, Ohio.
Montgomery Brothers & Co., Buffalo, N. Y.
New York Dimension Supply Company, New York.
Nollau & Wolff Manufacturing Company, Chicago, Ill.
John C. Orr & Co., Brooklyn, N. Y.
Paine Lumber Company, Ltd., Oshkosh, Wis.
Parke, Winton & True, Addison, N. Y.
J. E. Patterson & Co., Wilkes-Barre, Pa.
Phoenix Planing Mill, Atlanta, Ga.

3344—WOODWORK, INTERIOR—Continued.

Pope & Talbot, San Francisco, Cal.
W. A. Preston, Benton Harbor, Mich.
Radford Brothers & Co., Oshkosh, Wis.
The F. A. Requarth Company, Dayton, Ohio.
Rhinesmith & Simonson, Fort Wayne, Ind.
A. Roberson & Son, Binghamton, N. Y.
Robinson Manufacturing Company, Everett, Wash.
Rock Island Sash and Door Works, Rock Island, Ill.
Scott-Graff Lumber Company, Duluth, Minn.
Standard Millwork Company, Cincinnati, Ohio.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.
J. N. Struck & Bro., Inc., Louisville, Ky.
Henry Taylor Lumber Company, Lafayette, Ind.
The Wheeler Osgood Company, Tacoma, Wash.
John F. Wilcox, Minneapolis, Minn.
A. & S. Wilson Company, Pittsburg, Pa.
Jas. G. Wilson Manufacturing Company, New York.
Woodward Lumber Company, Atlanta, Ga.

3345—WOODWORK, PLUMBERS'.

Findeisen & Kropf Manufacturing Company, Chicago, Ill.
H. Herrmann, New York.
New York Dimension Supply Company, New York.
Pfau Manufacturing Company, Cincinnati, Ohio.
Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y.
Standard Sanitary Manufacturing Company, Pittsburg, Pa.

3346—WOODWORK, SPECIAL.

The Edwards Lumber and Coal Company, Long Branch, N. J.
Grand Rapids Show Case Company, Grand Rapids, Mich.
Indiana Manufacturing Company, Peru, Ind.
The A. T. Stearns Lumber Company, Neponset, Boston, Mass.

3347—WOODWORK, TELEPHONE.

Bossert Electric Construction Company, Utica, N. Y.
C. H. Brownell, Peru, Ind.
Crouse-Hinds Company, Syracuse, N. Y.
Doubleday-Hill Electric Company, Pittsburg, Pa.
Findeisen & Kropf Manufacturing Company, Chicago, Ill.
Florence Wagon Works, Florence, Ala.
Monarch Telephone Manufacturing Company, Chicago, Ill.
The North Electric Company, Cleveland, Ohio.
Stanley & Patterson, Inc., New York.
The Sumter Telephone Manufacturing Company, Sumter, S. C.
Wabash Cabinet Company, Wabash, Ind.

3348—WOOL.

Schoellkopf & Co., Buffalo, N. Y.

3349—WOOL, PROCESSED LAMBS'.

Erben-Harding Company, Philadelphia, Pa.
River Spinning Company, Woonsocket, R. I.

3350—WOOL TOPS.

Chautauqua Worsted Mills, Jamestown, N. Y.
William H. Grundy & Co., Philadelphia, Pa.

3351—WOOLEN FABRICS.

American Woolen Company, Boston, Mass.
Arnold Print Works, North Adams, Mass.
Atlanta Woolen Mills, Atlanta, Ga.
Wm. Broadhead & Sons, Jamestown, N. Y.
Charlottesville Woolen Mills, Charlottesville, Va.
The H. B. Claflin Company, New York.
Concord Manufacturing Company, Penacook, N. H.
Deering, Milliken & Co., New York.
W. J. Dickey & Sons, Baltimore, Md.
Dodge-Davis Manufacturing Company, Bristol, N. H.
Eagle and Phenix Mills, Columbus, Ga.
Folwell Bro. & Co., Inc., Philadelphia, Pa.
Globe Woolen Company, Utica, N. Y.
Hamilton Woolen Company, Boston, Mass.
George C. Hetzel Company, Chester, Pa.
Thomas Kitson & Son, Stroudsburg, Pa.
Knoxville Woolen Mills, Knoxville, Tenn.
Louis Kraemer & Co., Reading, Pa.
The Long Brothers Company, Philadelphia, Pa.
Meyer & Goetze, New York.
National and Providence Worsted Mills, Providence, R. I.
Park Woolen Mills, Rossville, Ga.
Peace Dale Manufacturing Company, Peace Dale, R. I.
Raritan Woolen Mills, New York.
The S. N. & C. Russell Manufacturing Company, Pittsfield, Mass.
South Bend Woolen Company, South Bend, Ind.
Southwark Mills Company, Philadelphia, Pa.
Talbot Mills, North Billerica, Mass.
Troy Blanket Mills, Troy, N. H.
John Williams Manufacturing Company, Philadelphia, Pa.
William Wood & Co., Philadelphia, Pa.
Zanesville Woolen Manufacturing Company, Zanesville, Ohio.

3352—WOOLEN FABRICS, COTTON WARP.

The Algonquin Company, Passaic, N. J.
Hamilton Manufacturing Company, Boston, Mass.
H. T. Hayward, Franklin, Mass.
Knoxville Woolen Mills, Knoxville, Tenn.
Nashville Woolen Mill Company, Nashville, Tenn.
Odell Manufacturing Company, Concord, N. C.
Park Woolen Mills, Rossville, Ga.
Raritan Woolen Mills, New York.
Ypsilanti Underwear Company, Ypsilanti, Mich.

3353—WORKINGMEN'S CLOTHING.

(See Clothing, Workingmen's.)

3354—WORSTED FABRICS.

American Woolen Company, Boston, Mass.
Botany Worsted Mills, Passaic, N. J.
Wm. Broadhead & Sons, Jamestown, N. Y.
The H. B. Claflin Company, New York.
Farr Alpaca Company, Holyoke, Mass.
Folwell, Bro. & Co., Inc., Philadelphia, Pa.
Globe Woolen Company, Utica, N. Y.
Benj. W. Greer, Philadelphia, Pa.
Hamilton Woolen Company, Boston, Mass.
George C. Hetzel & Co., Chester, Pa.

3354—WORSTED FABRICS—Continued.

The Jamestown Worsted Mills, Jamestown, N. Y.
The Long Brothers Company, Philadelphia, Pa.
Lorraine Manufacturing Company, Pawtucket, R. I.
Lymansville Company, Providence, R. I.
Meyer & Goetze, New York.
National and Providence Worsted Mills, Providence, R. I.
Peace Dale Manufacturing Company, Peace Dale, R. I.
Perseverance Worsted Company, Woonsocket, R. I.
Southwark Mills Company, Philadelphia, Pa.
William Wood & Co., Philadelphia, Pa.

3355—WRAPS, WOMEN'S.

Max M. Schwarcz & Co., New York.
Strawbridge & Clothier, Philadelphia, Pa.

3356—WRENCHES, MECHANICS'.

Armstrong Manufacturing Company, Bridgeport, Conn.
Billings & Spencer Company, Hartford, Conn.
Cincinnati Tool Company, Norwood, Cincinnati, Ohio.
Collins & Co., New York.
The Cronk & Carrier Manufacturing Company, Elmira, N. Y.
Eberhard Manufacturing Company, Cleveland, Ohio.
John H. Graham & Co., New York.
The Herbrand Company, Fremont, Ohio.
Keystone Driller Company, Beaver Falls, Pa.
The Lamson & Sessions Company, Cleveland, Ohio.
Morse Twist Drill and Machine Company, New Bedford, Mass.
Nordyke & Marmon Company, Indianapolis, Ind.
Parsons Band Cutter and Self-Feeder Company, Newton, Iowa.
Peck, Stow & Wilcox Company, Southington, Conn.
Fayette R. Plumb, Inc., Philadelphia, Pa.
Reed Manufacturing Company, Erie, Pa.
Sargent & Co., New York.
Tower & Lyon Company, New York.
Transue & Williams Company, Alliance, Ohio.
Trimont Manufacturing Company, Roxbury, Mass.
Union Drop Forge Company, Chicago, Ill.
United States Bung Manufacturing Company, Brooklyn, N. Y.
Vaughan & Bushnell Manufacturing Company, Chicago, Ill.
Walworth Manufacturing Company, Boston, Mass.

3357—WRINGERS, CLOTHES.

Lovell Manufacturing Company Erie, Pa.
North Brothers Manufacturing Company, Philadelphia, Pa.
Tucker & Dorsey Manufacturing Company, Indianapolis, Ind.

3358—X-RAY OUTFITS.

Frank S. Betz Company, Chicago, Ill.

3359—YARNS, COTTON.

American Spinning Company, Greenville, S. C.
Atlanta Woolen Mills, Atlanta, Ga.
Bibb Manufacturing Company, Macon, Ga.
The Eagle Cotton Mills Company, Madison, Ind.
Gate City Cotton Mills, Atlanta, Ga.
J. H. Lane & Co., New York.
Lawrence Manufacturing Company, Boston, Mass.
Louisville Cotton Mills Company, Louisville, Ky.
Millville Manufacturing Company, Philadelphia, Pa.

3359—YARNS, COTTON—Continued.

Monroe Cotton Mills, Monroe, N. C.
The New York Mills, New York Mills, Oneida County, N. Y.
Ontario Spinning Company, Philadelphia, Pa.
Potomska Mills Corporation, New Bedford, Mass.
Riverside Manufacturing Company, Anderson, S. C.
The Skenandoa Cotton Company, Utica, N. Y.
Tremont and Suffolk Mills, Boston, Mass.
United States Cotton Duck Corporation, Baltimore, Md.
Unity Cotton Mills, La Grange, Ga.
Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y.
Wamsutta Mills, New Bedford, Mass.
Warren Manufacturing Company, Warren, R. I.

3360—YARNS, JUTE.

Chelsea Jute Mills, New York.
Ludlow Manufacturing Associates, Boston, Mass.
Schlichter Jute Cordage Company, Philadelphia, Pa.

3361—YARNS, LINEN.

Chelsea Jute Mills, New York.
Ludlow Manufacturing Associates, Boston, Mass.

3362—YARNS, SILK.

(See Silk, Thrown.)

3363—YARNS, WOOLEN.

Atlanta Woolen Mills, Atlanta, Ga.
S. B. & B. W. Fleisher, Inc., Philadelphia, Pa.
Knoxville Woolen Mills, Knoxville, Tenn.
James Lees & Sons Company, Bridgeport, Pa.
River Spinning Company, Woonsocket, R. I.
Tremont and Suffolk Mills, Boston, Mass.
Zanesville Woolen Manufacturing Company, Zanesville, Ohio.

3364—YARNS, WORSTED.

Botany Worsted Mills, Passaic, N. J.
Chautauqua Worsted Mills, Jamestown, N. Y.
Howland Croft, Sons & Co., Camden, N. J.
Erben-Harding Company, Philadelphia, Pa.
S. B. & B. W. Fleisher, Inc., Philadelphia, Pa.
William H. Grundy & Co., Philadelphia, Pa.
James Lees & Sons Company, Bridgeport, Pa.
Lymansville Company, Providence, R. I.
Pocasset Worsted Company, Providence, R. I.

3365—YEAST, COMPRESSED.

Northwestern Yeast Company, Chicago, Ill.

3366—YOKES AND BOWS, OX.

Iowa Farming Tool Company, Fort Madison, Iowa.

3367—ZINC, ALUMINIZED.

New Era Manufacturing Company, Kalamazoo, Mich.

3368—ZINC CHLORIDE.

Cochrane Chemical Company, Boston, Mass.
Grasselli Chemical Company, New York.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.

to manufacturers whose names are given in this book.

3369—ZINC CONCENTRATES.

Granby Mining and Smelting Company, St. Louis, Mo.

3370—ZINC, INGOT.

(See Spelter.)

3371—ZINC, OXIDE OF.

Acme White Lead and Color Works, Detroit, Mich.
Forest City Paint and Varnish Company, Cleveland, Ohio.
John Lucas & Co., Philadelphia, Pa.
R. McWilliams, Limited, New Orleans, La.
Mineral Point Zinc Company, Chicago, Ill.
New Jersey Zinc Company, New York.
Eugene E. Nice, Philadelphia, Pa.

3372—ZINC SULPHATE.

Grasselli Chemical Company, New York.

3373—ZINC WHITE.

(See Zinc, Oxide of.)

If You Do Not Find

the article or the information you require in the Index, write to the National Association of Manufacturers (170 Broadway, New York) and special effort will be made to furnish the particulars desired.

As will be seen on the next page, valuable as is this Index for the promotion of a world-wide trade for the firms mentioned therein, its publication is only a small part of the work which the Association does for its members.

If developing or desiring to develop an export trade do not overlook your privileges as a member of the Association as set forth on page 712.

Advantages of Membership

IN THE

National Association of Manufacturers

The Association is certain to benefit its members for two main reasons. One is that its public service protects the manufacturing, employing and general business interests of the country against wild legislative proposals, the damage of which simply could not be calculated in money.

The second reason is that any one of the dozen or more branches of its professional and business advice and work may be made worth many times the price of membership if the member himself will only pay attention to it. There are, free with membership:

1. Washington news of actual value in getting right treatment before Congress and the Departments, and contracts for Government work;

2. Protection in traffic difficulties with the transportation companies;

3. Protection against efforts to tax you wrongfully in the various states;

4. Protection against the innumerable fakes and grafts with which every prosperous manufacturer is familiar;

5. Free use for visiting members of all the General Office facilities—stenographers, messengers, telephones; in short, assistance by all the Association's fifty experts;

6. Free use of Headquarters for conferences—a New York office, or a downtown New York office, in effect, for all the members;

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8. Lists of possible customers in foreign countries;

9. Ten special foreign credit reports (additional ones at a low price);

10. Translations of all your business correspondence from or into any language;

11. Shipping facilities and lowest foreign freight rates;

12. Collection of overdue foreign accounts always at the best advantage;

13. Advice on patents and trade marks;

14. An appearance, by your own paragraph, in the American Trade Index, circulation 13,000 at home and abroad; a directory of members alone; the best reference book in the world for promoting the sale of manufactured goods;

15. The semi-monthly Confidential Bulletin, of equal interest to the head of the house, the export manager and the traffic man;

16. American Industries, most influential of manufacturers' papers, at half rates.

The Association is not merely national; it is international. Its influence and the field of its operations are world-wide.

Part III

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of Members of the

National Association of Manufacturers

of the

United States of America

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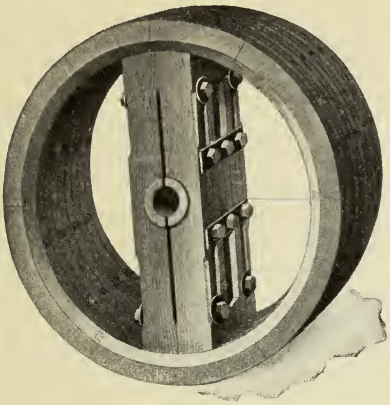
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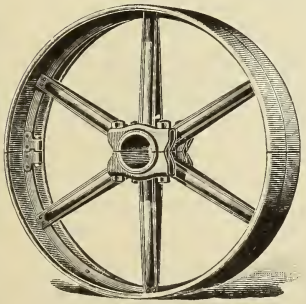
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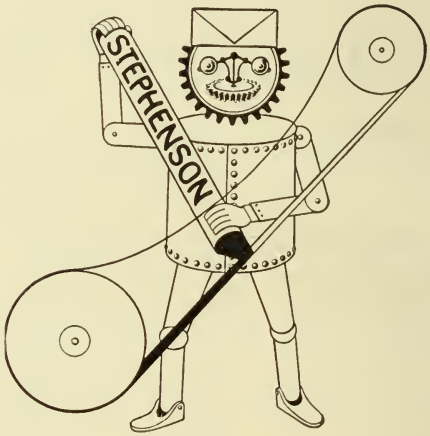
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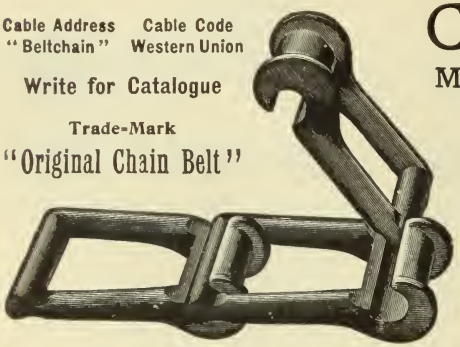
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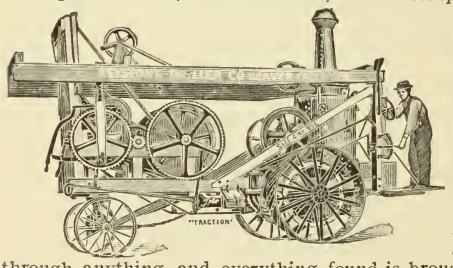
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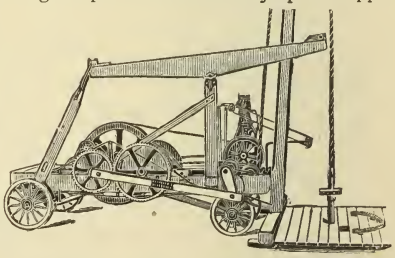
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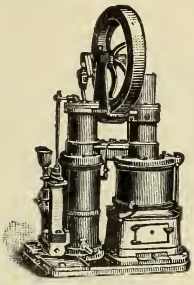
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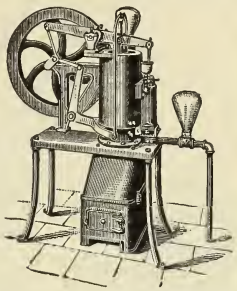
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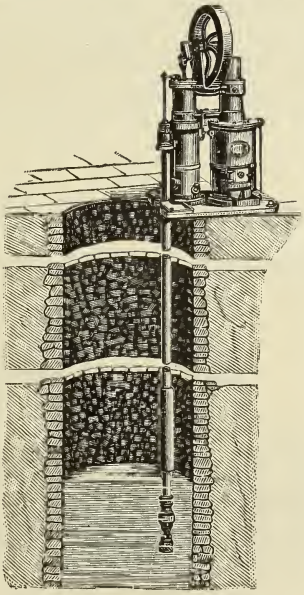
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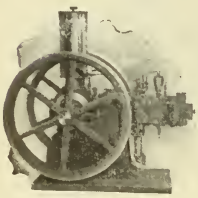
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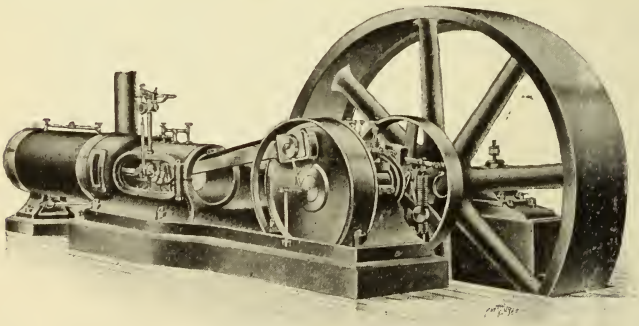
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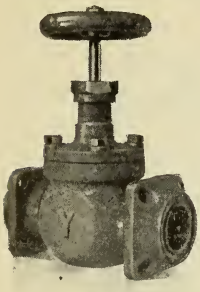
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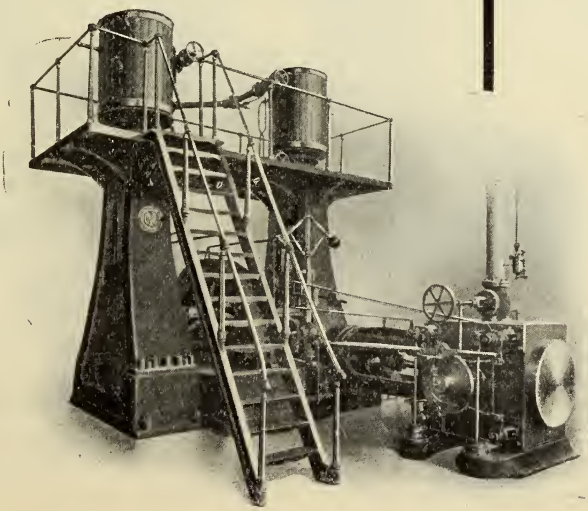


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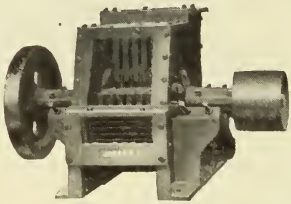
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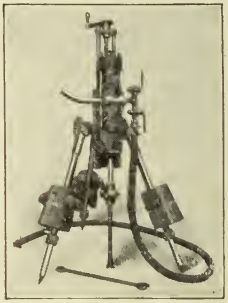
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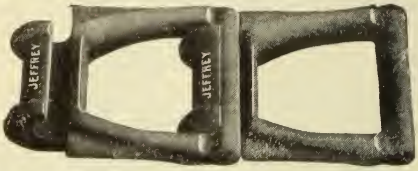
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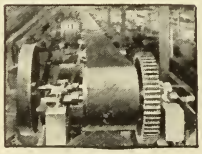
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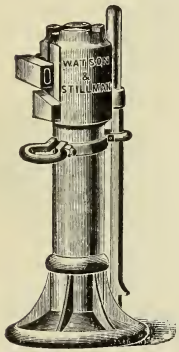
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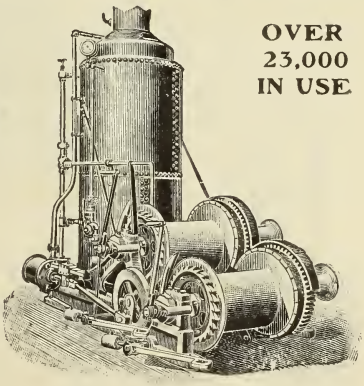
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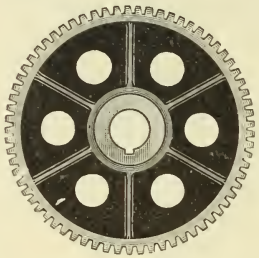
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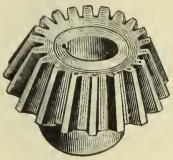
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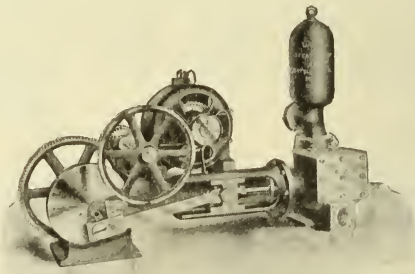


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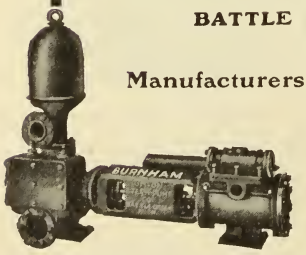
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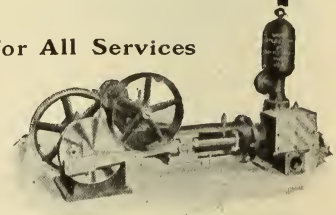
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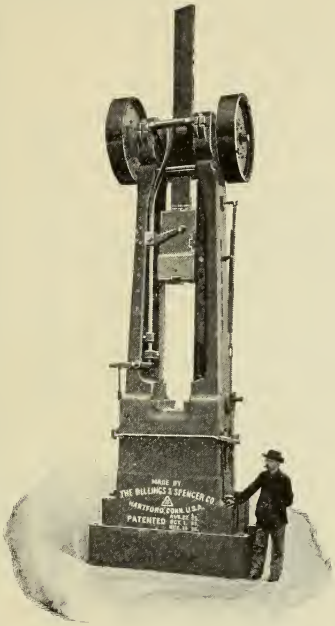


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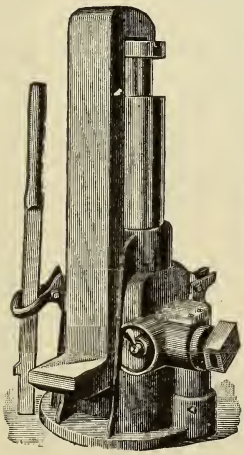
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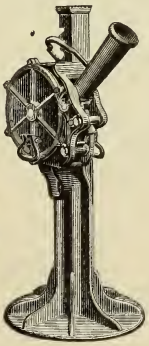
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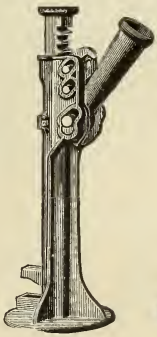
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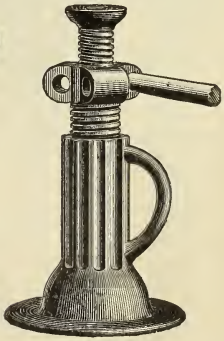
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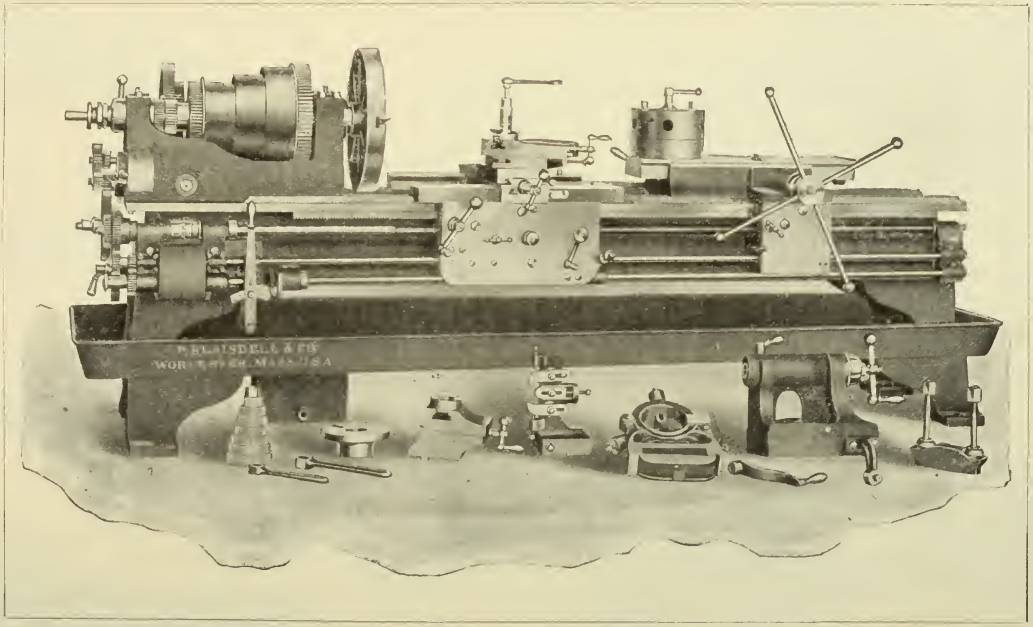
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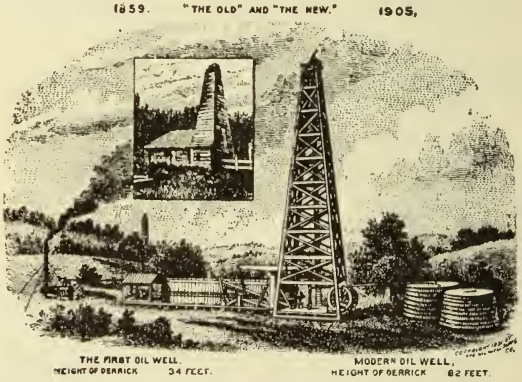
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For any depth where the formation is composed entirely of clay or soft material.

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For any depth or any geological formation—warranted to drill anywhere on earth in the hands of practical men.

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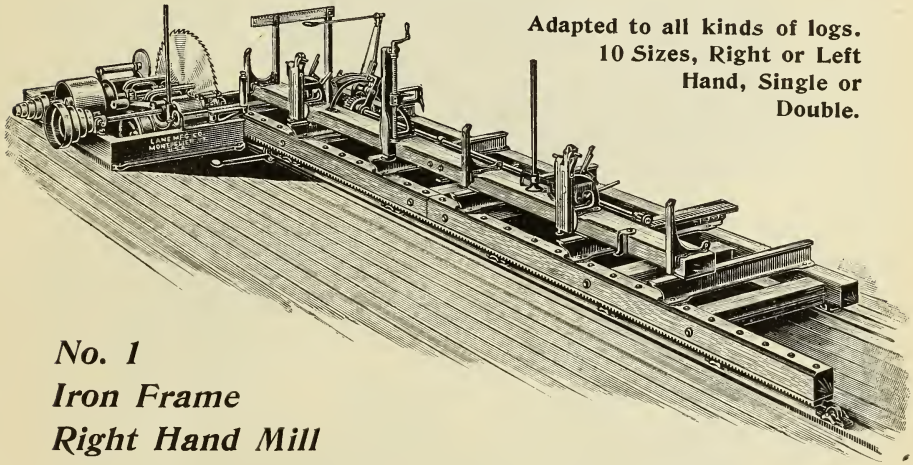
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IS SECURED BY USING

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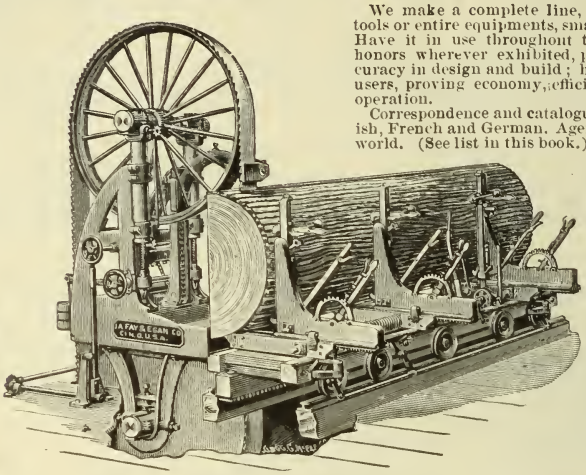
We also manufacture Saw Mill Set Works, Dogging Devices, etc., Steam Feeds, Air Buffers, Off-sets, Water Wheels, Log Jackers, Canters and Niggers, Drag, Swing, Friction and Steam Feed Cutting-off Saws, Live and Dead Rolls, Edgers, Trimmers, Cutting-off Tables, Universal Sawing Machines; Lath, Shingle and Clapboard Machines; Planers and Matchers, Power Transmission Machinery and Traveling Cranes.

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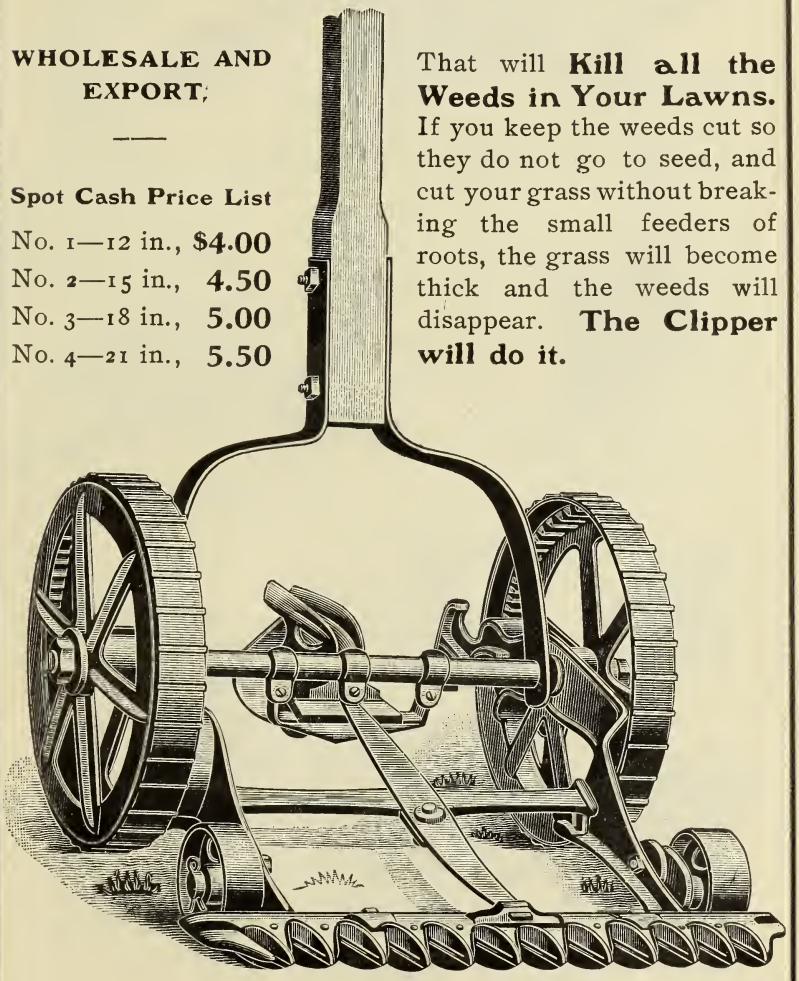
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Spot Cash Price List

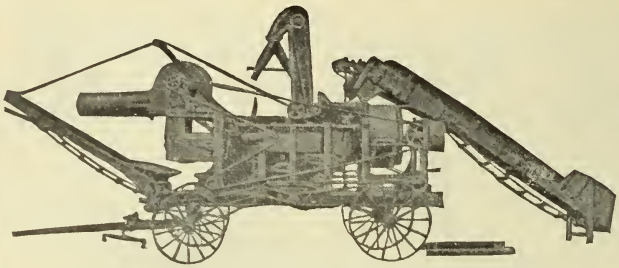
No. 1—12 in., **$4.00**
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No. 3—18 in., **5.00**
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That will **Kill all the Weeds in Your Lawns.** If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear. **The Clipper will do it.**



CLIPPER LAWN MOWER CO.

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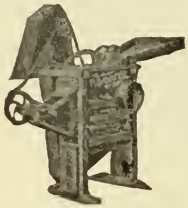


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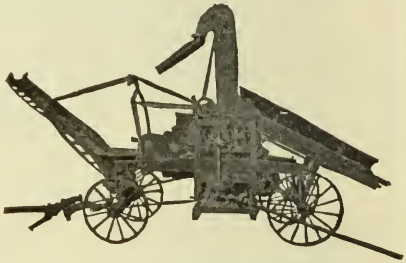
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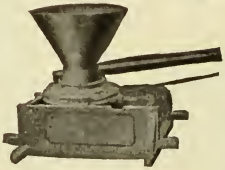


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All sizes and styles for horse power or engine.



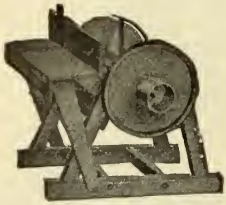
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Sweep or geared.



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Steel or wood frames.



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HORSE POWERS,
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ARE NOTED FOR STRENGTH, DURABILITY AND SIMPLICITY OF CONSTRUCTION

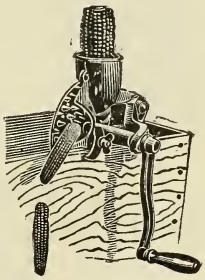


Composed of fewer parts than any make of plows known, which makes them easy to set up and adjust. Adaptable to all soils. Write for export catalogue and prices.

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GUARANTEED TO SHELL PERFECTLY



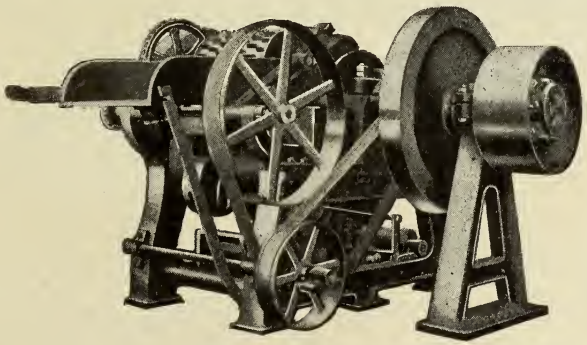
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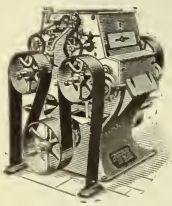
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Flour Mill Machinery

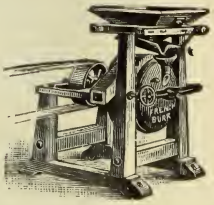
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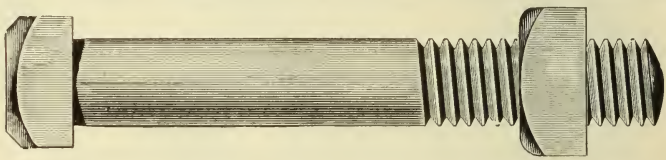


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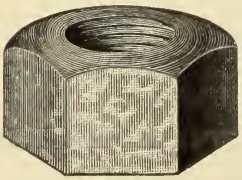
FLOUR MILL ENGINEERS FOUNDERS AND MACHINISTS



The Upson Nut Co.

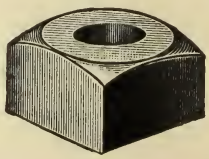
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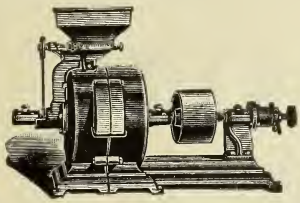


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SUPERIOR BURR MILLS

For Grinding All Kinds of Grain for Flour or Feed; also Spices, etc.

This cut shows a 16-inch mill, made of cast iron and best quality of steel. The shaft has a ball bearing, insuring easy running, and the grinders are of best quality French burr. Dimensions: Extreme Length, 56 in.; width, 25 in.; height, 39 in.; Diameter of pulley, 10 in.; face, 6 in.; revolutions per minute, 1,000; horse power required, 6 to 8; capacity, 20 to 25 bushels per hour of feed meal; weight, packed for ocean shipment, 950 lbs. Price, f. o. b. New York, $90.00.



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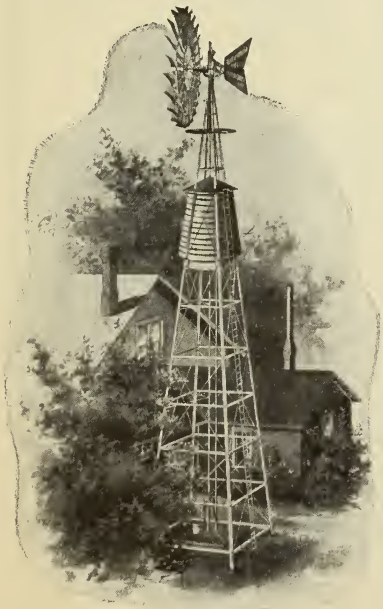
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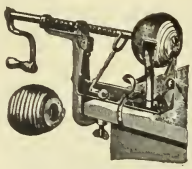
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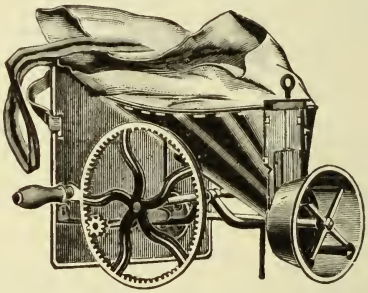
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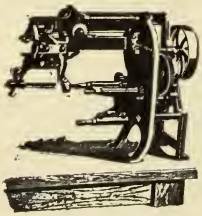
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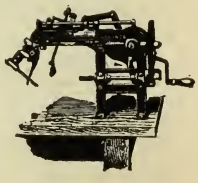
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Oldest and Largest Parer Makers in the World



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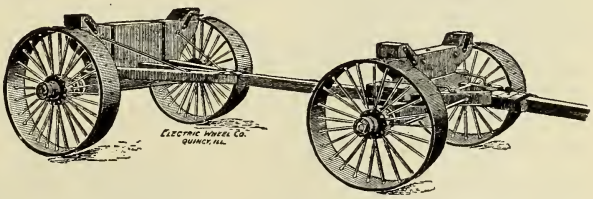
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TO FIT ANY WAGON OR CART

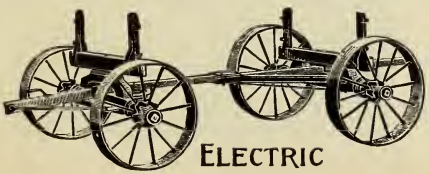
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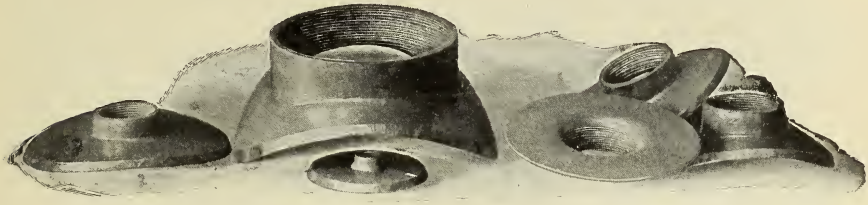
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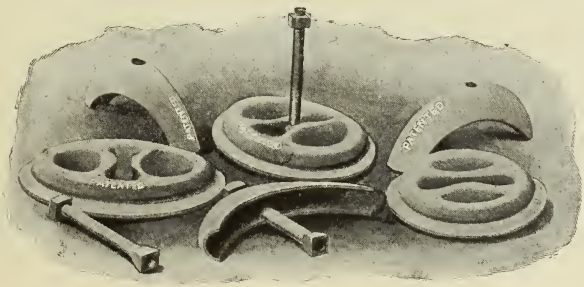
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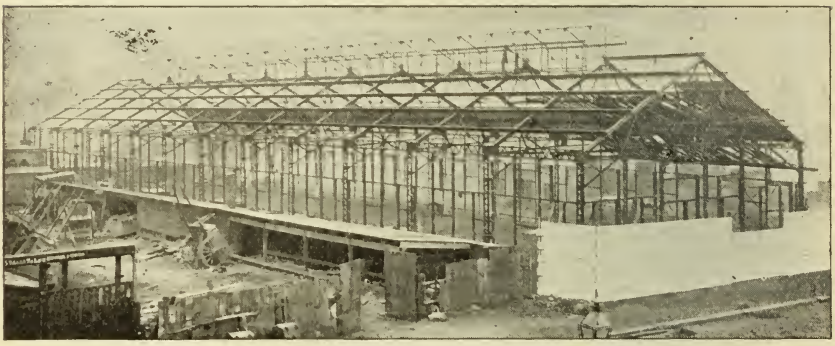
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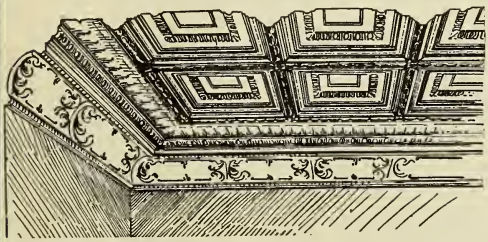
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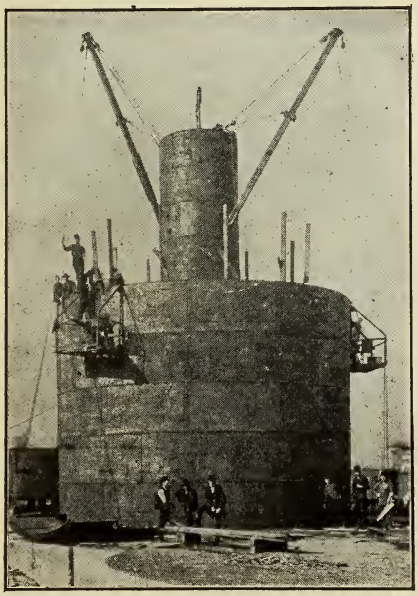
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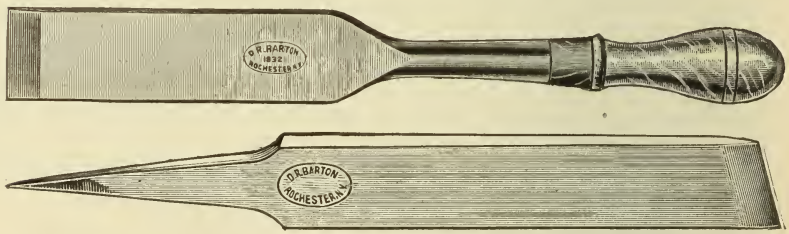
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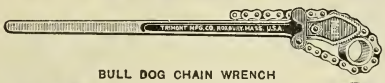
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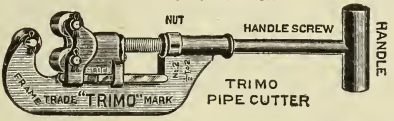


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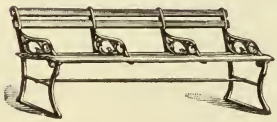
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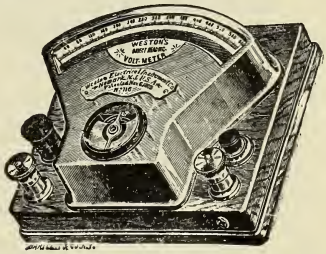
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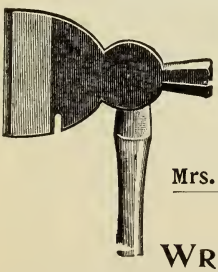
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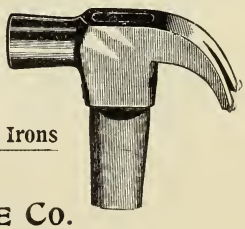
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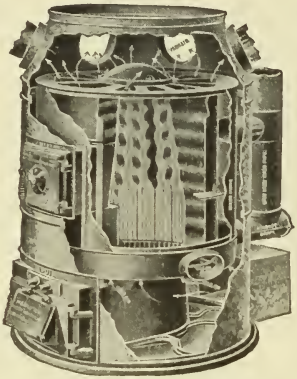
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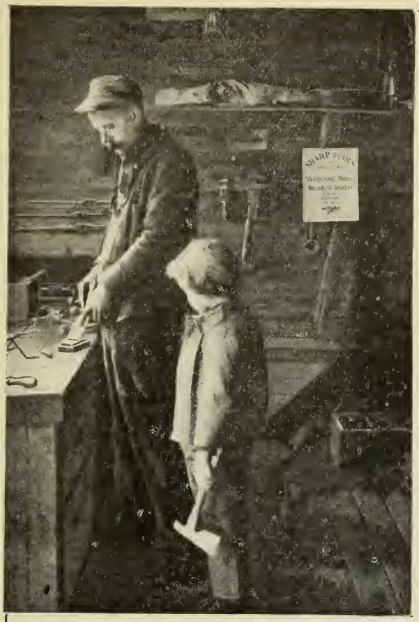
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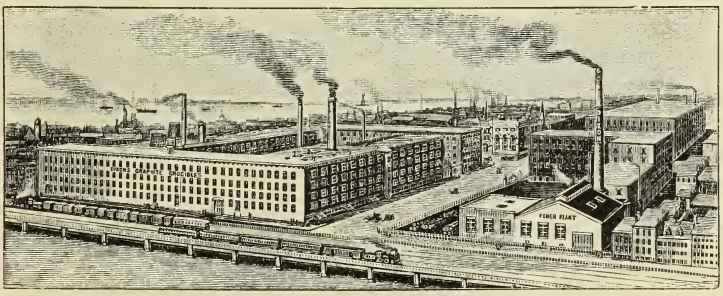
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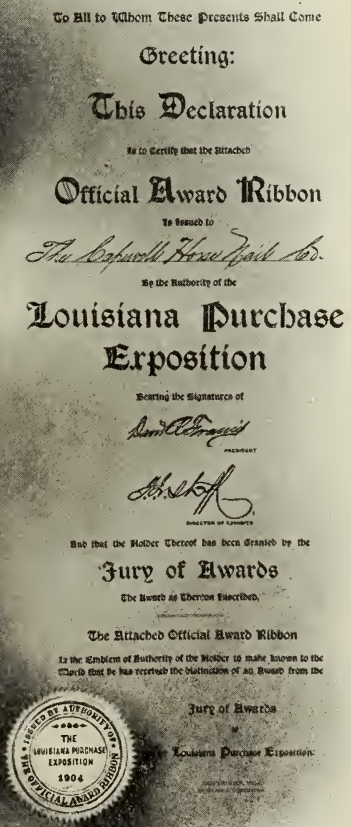
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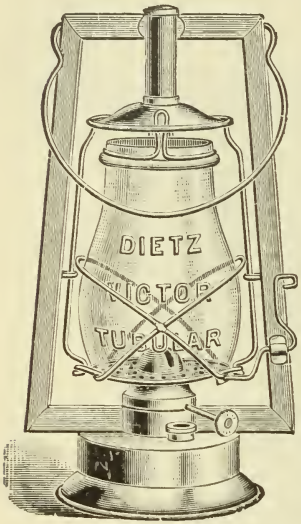
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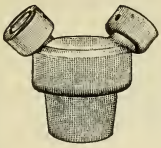
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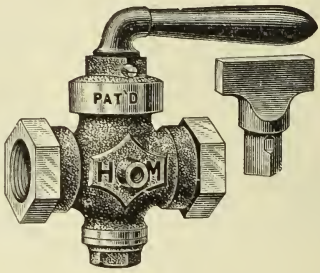
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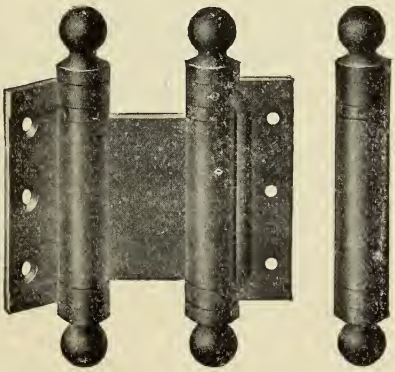
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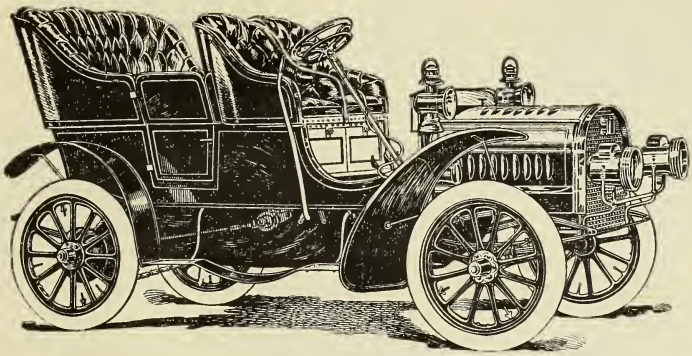
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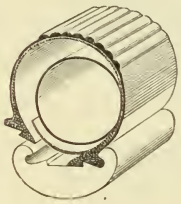
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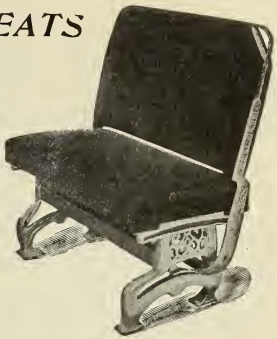
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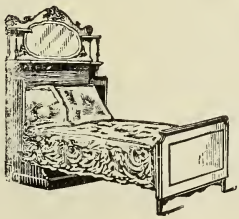


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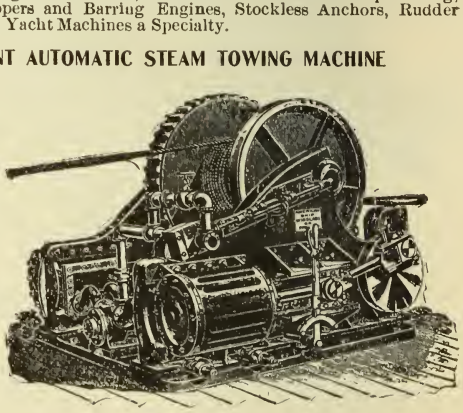
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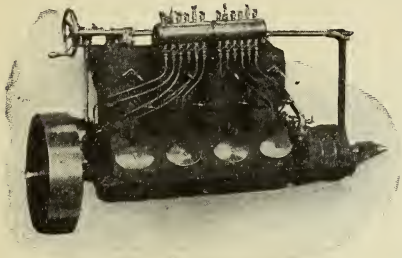
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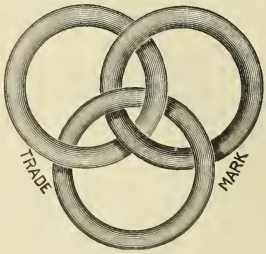
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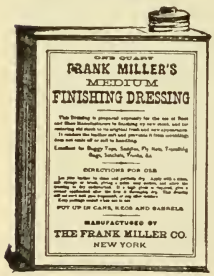
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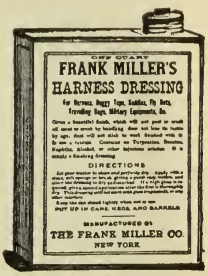
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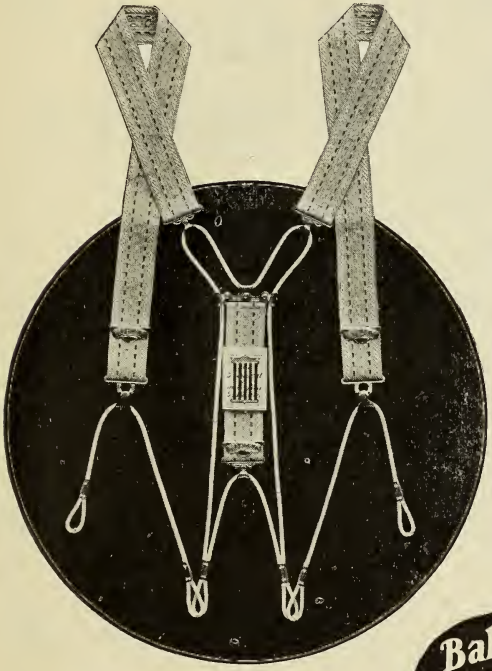
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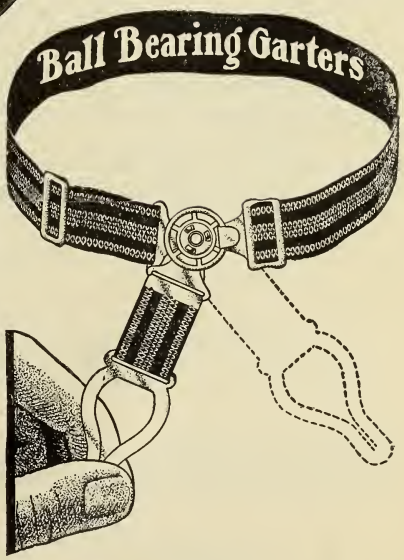


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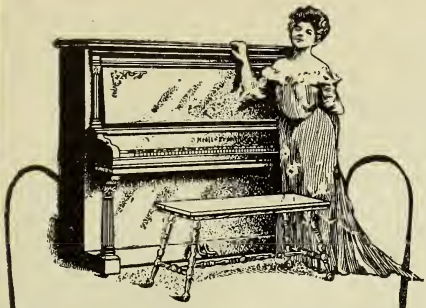
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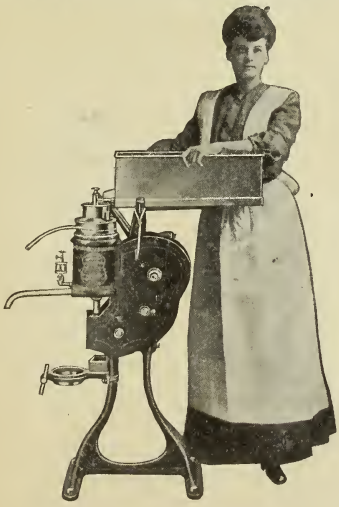
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